# **#ONENTC** Our Resilient City

**East Side Coastal Resiliency Project** Oct. 6th+8th, 2015 - Community Presentation



# **Community Presentation** October 6th+8th, 2015

**1. Project Overview and Schedule** 

2. Project Area One - Round 3 Community Feedback and Initial Design Direction

3. Project Area Two - Round 3 Community Feedback and Initial Design Direction

4. Project Areas One + Two - Outstanding Issues

**5. Next Steps** 

6. Draft Conceptual Layout: Interactive Q+A



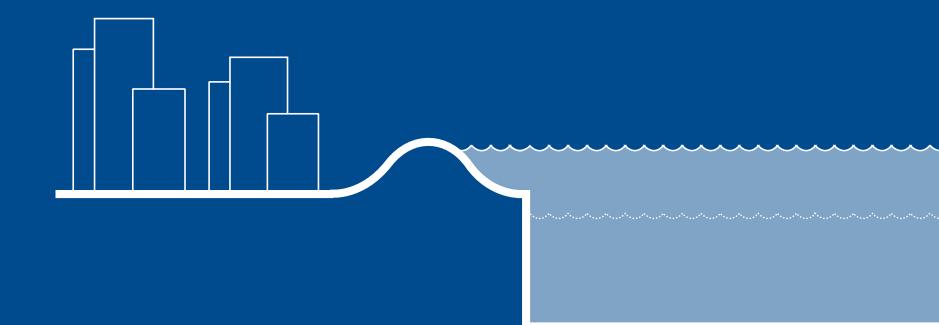
# **OVERVIEW**





NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE



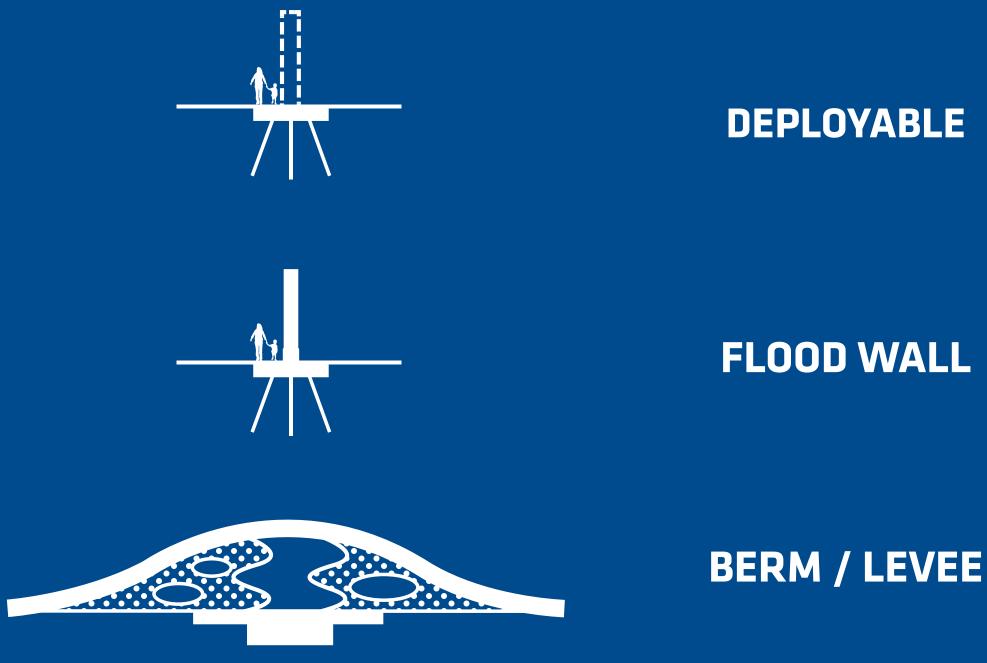




NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

# **TYPES OF FLOOD MITIGATION**

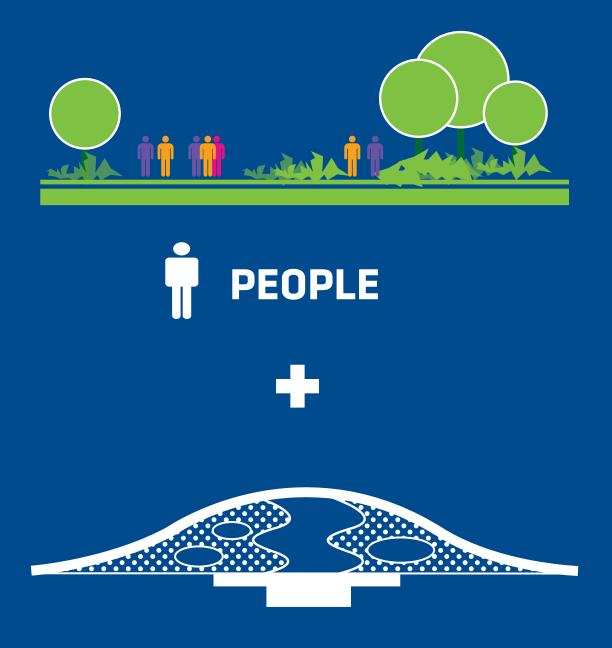
Options for resiliency have varying forms and levels of reliability: from wide and passive earthen levees to narrow and even removable flood walls and deployable elements.



#0N E

# **SOCIAL INFRASTRUCTURE**

How can resiliency infrastructure double as places and spaces for people?









# **SOCIAL INFRASTRUCTURE**

Integrating flood protection with improved access and open spaces throughout East River Park and Stuyvesant Cove.

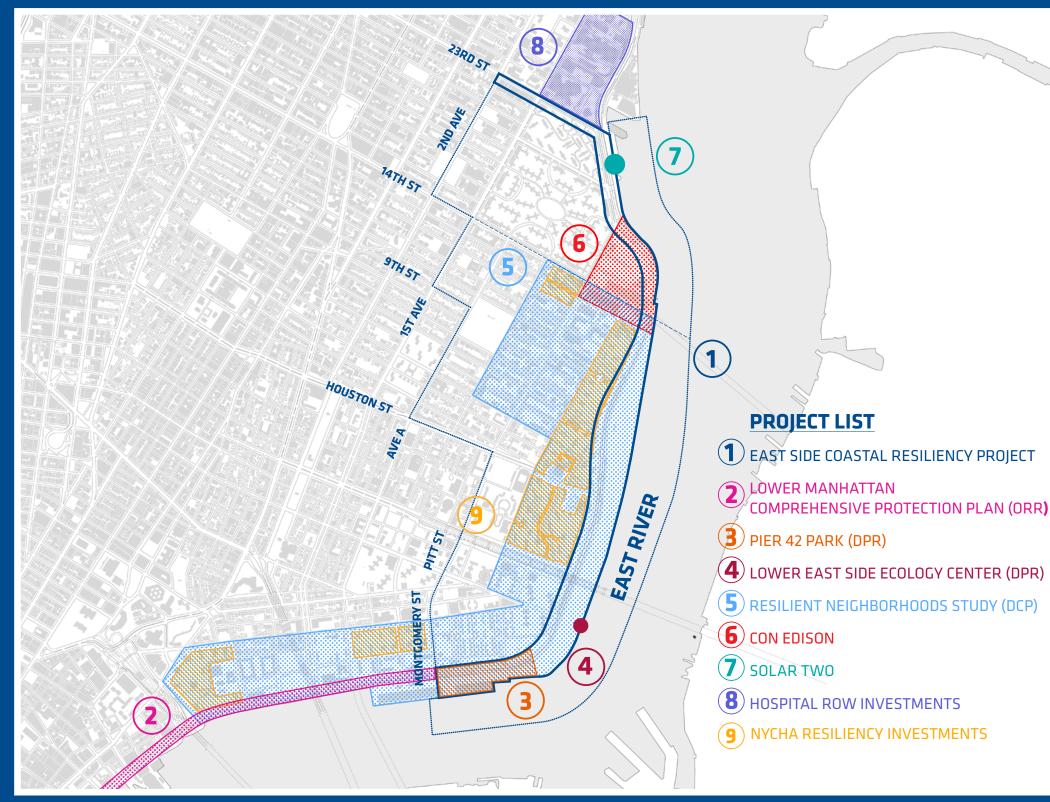
# **ESCR PROJECT SCOPE** A \$335 million project to implement coastal protection from Montgomery Street to East 23rd Street.





# **COMPLEMENTARY INITIATIVES**

The ESCR Project will be coordinated with other initiatives in the area. City and State funds will be used to advance planning south of Montgomery St.



## #ONENVC



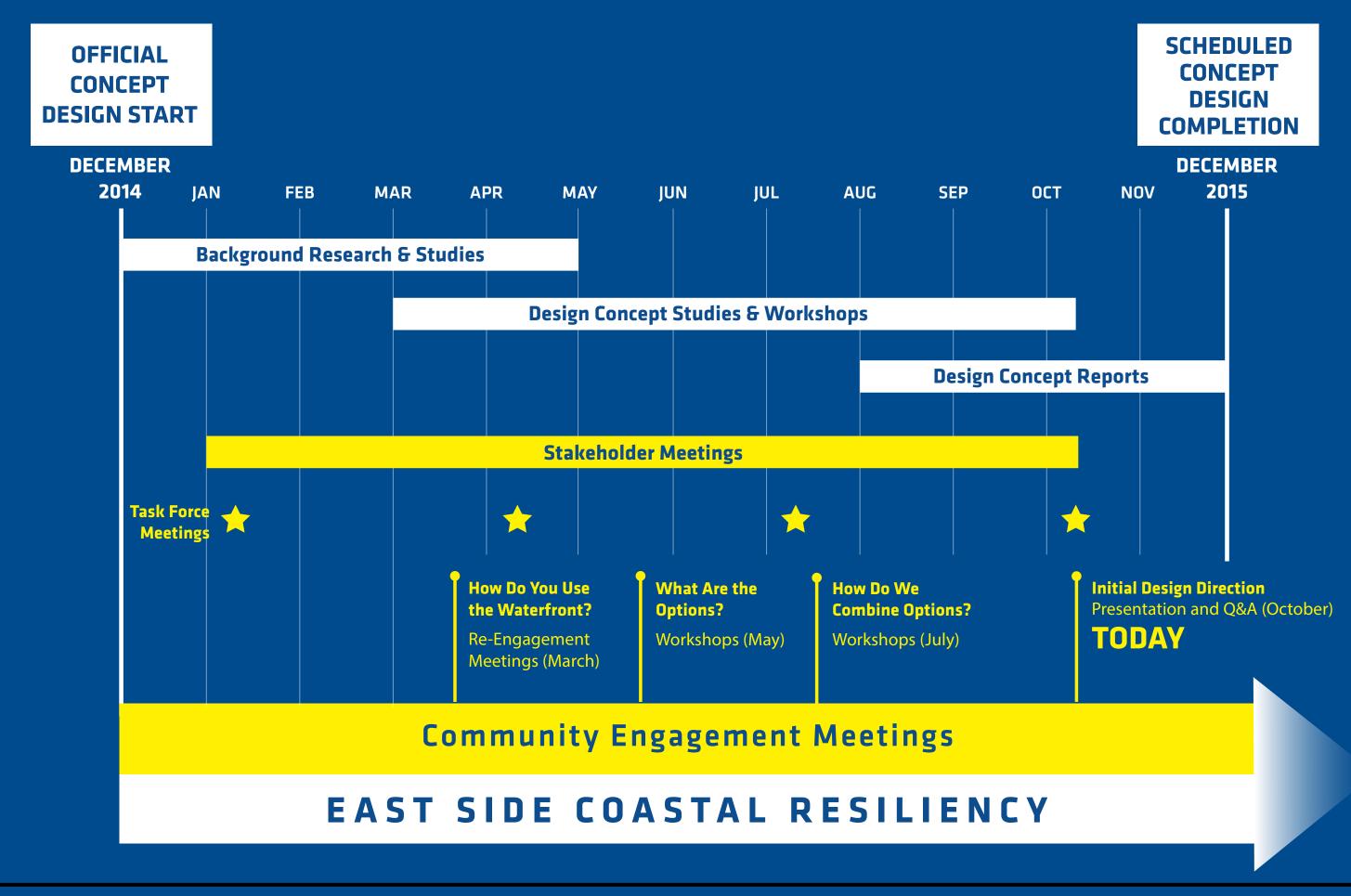




# **PROJECT SCHEDULE**

# ESCR CONCEPT DESIGN TIMELINE

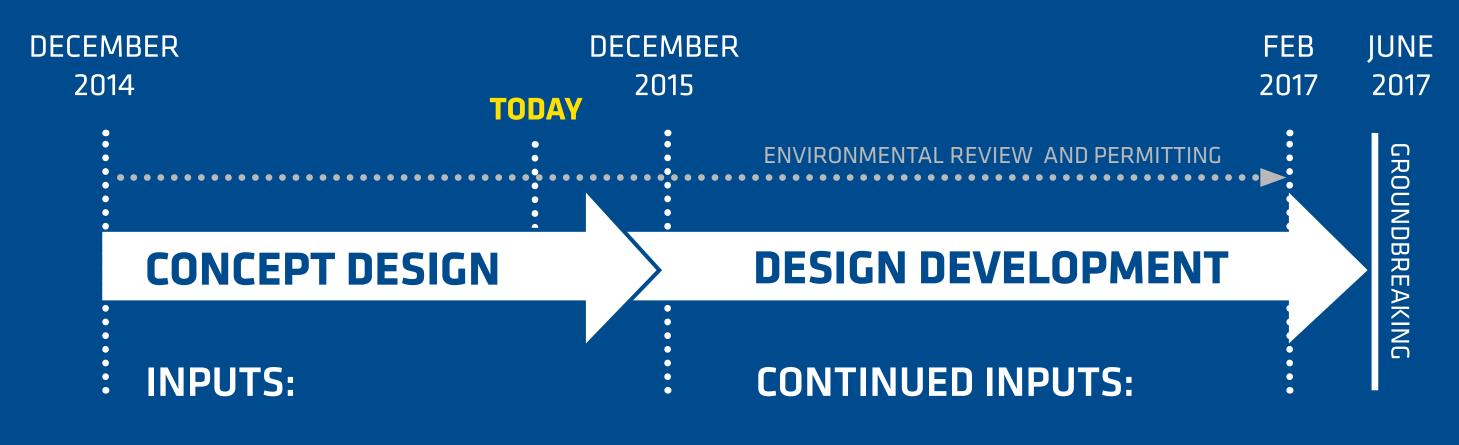
Project Design Work & Community Engagement - Where are we now?







# **ONGOING REFINEMENT OF DESIGN** Design will continue to evolve through the next year.



COMMUNITY PRIORITIES CITY PRIORITIES SITE CONDITIONS TECHNICAL + URBAN DESIGN REGULATORY CONSTRAINTS AGENCY COORDINATION MAINTENANCE TECHNICAL CONSIDERATIONS COMMUNITY FEEDBACK TRADE-OFFS AND BUDGET



# **EVALUATION CRITERIA**

Alternatives will continue to be evaluated according to eight major criteria:





# **COMMUNITY FEEDBACK TO DATE**



# **THREE ROUNDS OF PUBLIC WORKSHOPS**

ESCR has continued the public engagement process started during Rebuild by Design holding 9 design workshops over three rounds, with more than 700 participants.











How do you use the waterfront?

**Access and Flood Protection:** 

What are the options?



MAY 18TH, 28TH, 30TH

18

## **ROUND 3** x4 Meetings

JULY 28TH, 29TH, 30TH + SEPT. 10TH

## How do we combine options?



# **STAKEHOLDER ENGAGEMENT**

In addition to the community engagement workshops and CB3/CB6 Task Force meetings, the ESCR team continues to collect input from local CBOs and stakeholders.





## **OPEN SPACE & RECREATION,** TRANSPORTATION **CB3 & CB6** Hester St Collaborative Lower East Side Ecology Centre **OLS Sparkle Little League** Partnerships for Parks Solar One **Transportation Alternatives**

## **NYCHA TENANT ASSOCIATIONS**

Baruch **Campos Plaza** Riis Rutgers Smith Vladeck Wald



**PROJECT AREA ONE** EAST RIVER PARK

# **EAST RIVER PARK** Existing Conditions - 2050s 100-year floodplain





# EAST RIVER PARK NEEDS **Community Requests**

# **66 BETTER** ACCESS TO EAST **RIVER PARK**

**66** FLOOD **PROTECTION** *7* 

# **44**SAFETY AND SECURITY **77**

**REBUILD BY DESIGN + EAST SIDE COASTAL RESILIENCY** 

# **66 CONNECTIONS TO** THE WATER

# **44 MORE NATURAL** SPACES **11**



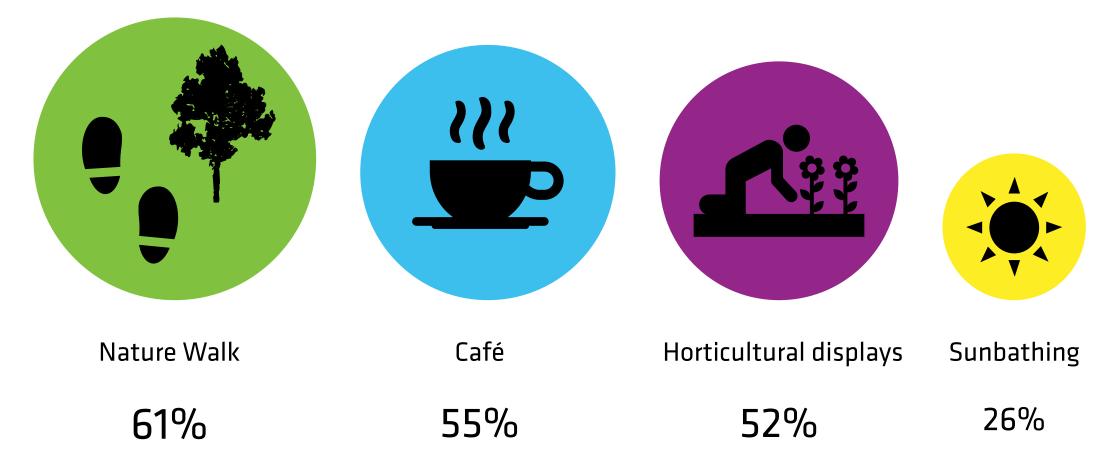




# ESCR ROUND 1 - MARCH COMMUNITY ENGAGEMENT FINDINGS

Of 63 respondents, top-rated improvements for East River Park were a nature walk (61%), cafe (55%), and horticultural displays (52%).

What additional services, activities or spaces would you like to see in or near East River Park?



Other suggestions include: a dog run, an ice-skating rink, a bike rental facility, a batting cage, movie nights during the summer months, a beach, ping-pong tables, shade structures, a playground, and an eco-festival

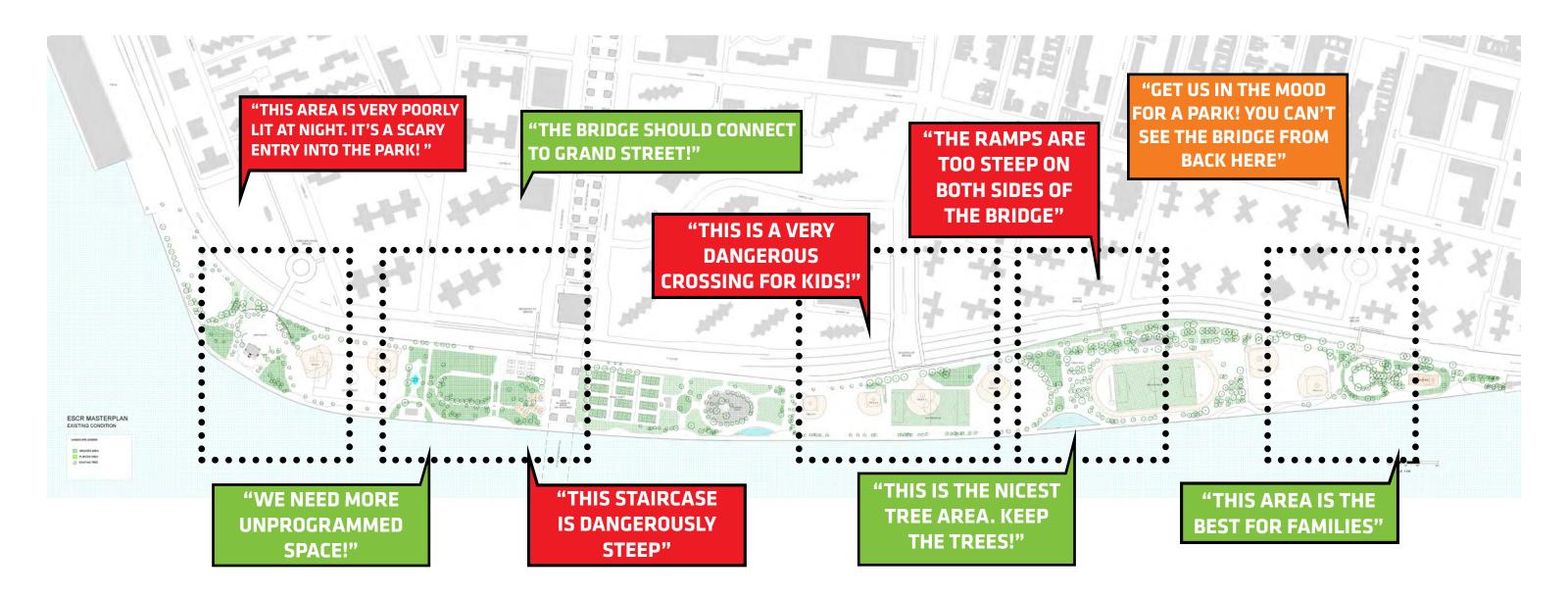


### Sports (bocceball, volleyball, kayak) 26%



# ESCR ROUND 2 - MAY COMMUNITY ENGAGEMENT FINDINGS

Five connection points were discussed during May design workshops. Concerns, likes, and dislikes were voiced about existing conditions in these areas of the park:



## **COMMUNITY FEEDBACK**



**PROJECT AREA ONE ROUND 3 COMMUNITY ENGAGEMENT** FINDINGS

# **ROUND 3 - JULY COMMUNITY ENGAGMENT WORKSHOPS**

For its third round, the ESCR team gathered feedback about three conceptual design alternatives for PA1 and PA2, using physical models and drawings. Over 380 residents attended this third round of community engagement workshops on 07/28, 07/29, 07/30, and 09/10.



**PROJECT AREA 1 WORKSHOP: SEPT. 10TH, HENRY ST SETTLEMENT** 

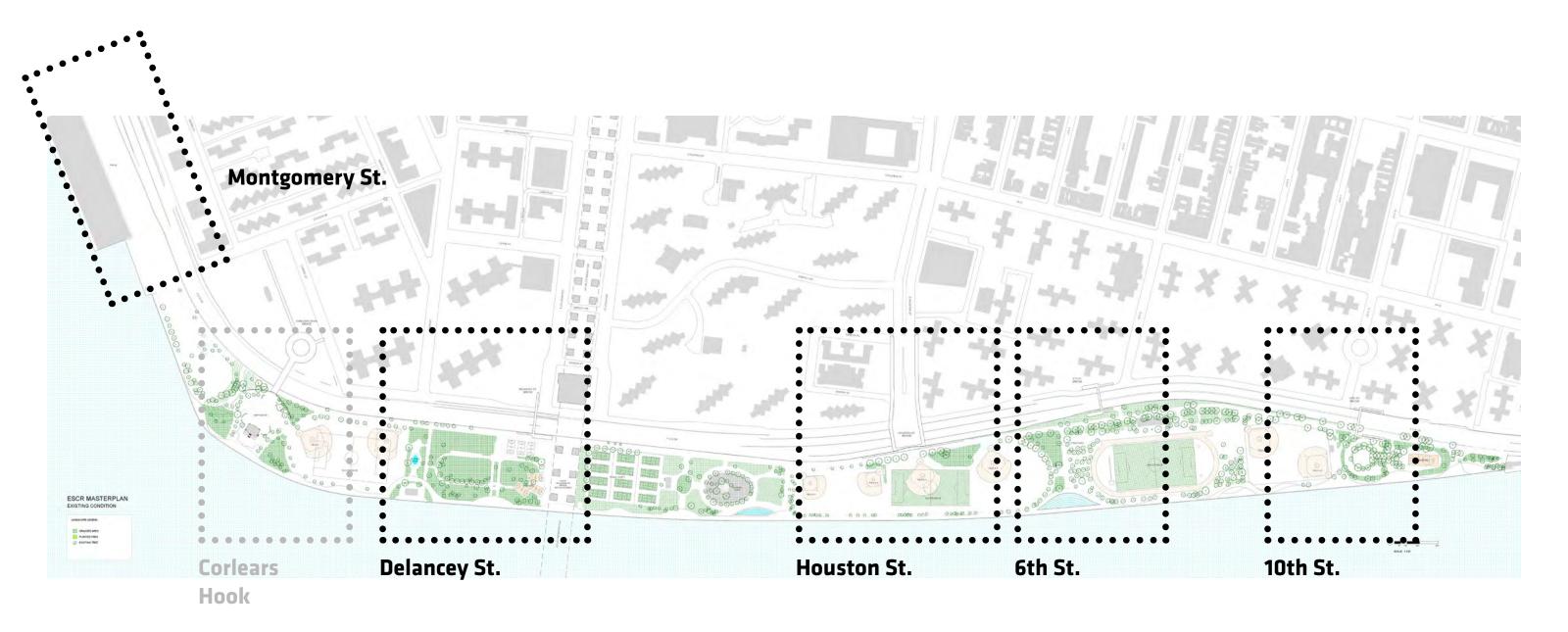


**PROJECT AREA 2 WORKSHOP: JULY 28TH, STEIN SENIOR CENTRE** 



# **CONCEPTUAL DESIGN ALTERNATIVES - PA1**

Five major areas of East River Park were discussed in terms of flood protection, improvement of access, and enhancement of open space:



## **ACCESS POINTS**



# **CONCEPTUAL DESIGN ALTERNATIVES - PA1**

The ESCR team gathered feedback about three design alternatives for each area during the community engagement workshops on 07/29, 07/30 and 09/10.





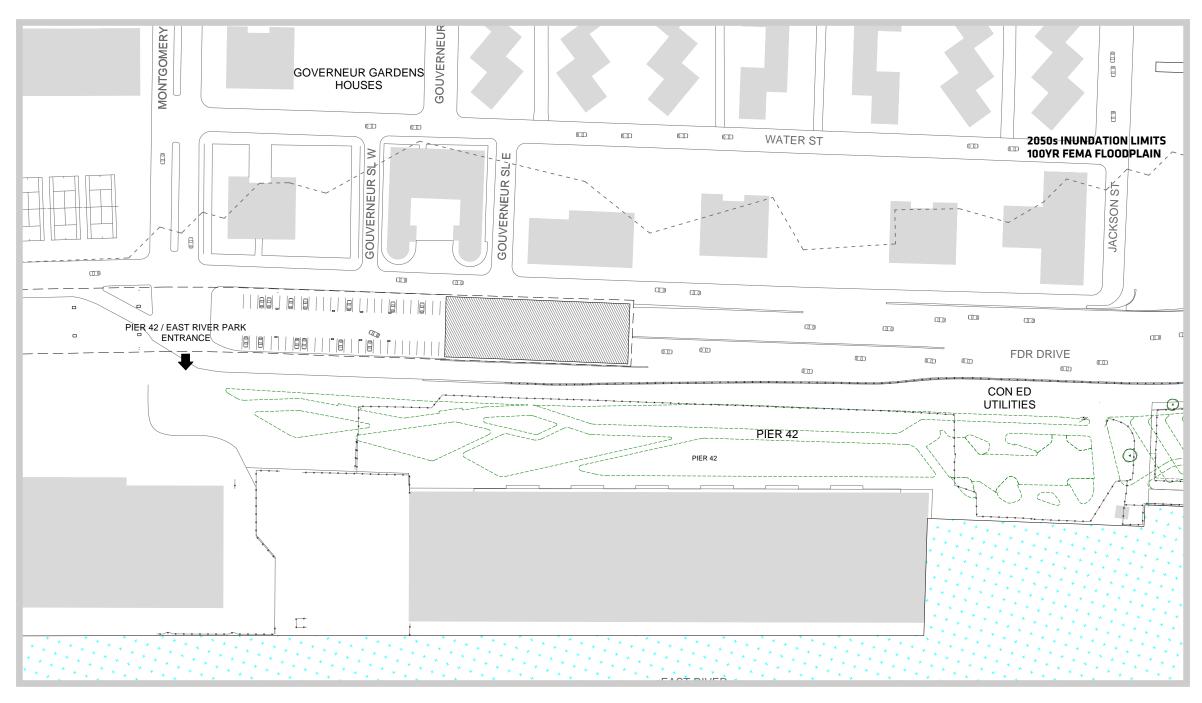
# **REPORT BACK** DESIGN ALTERNATIVES



# **MONTGOMERY STREET**



# **MONTGOMERY STREET AND PIER 42 PARK AREA Initial Design Direction**



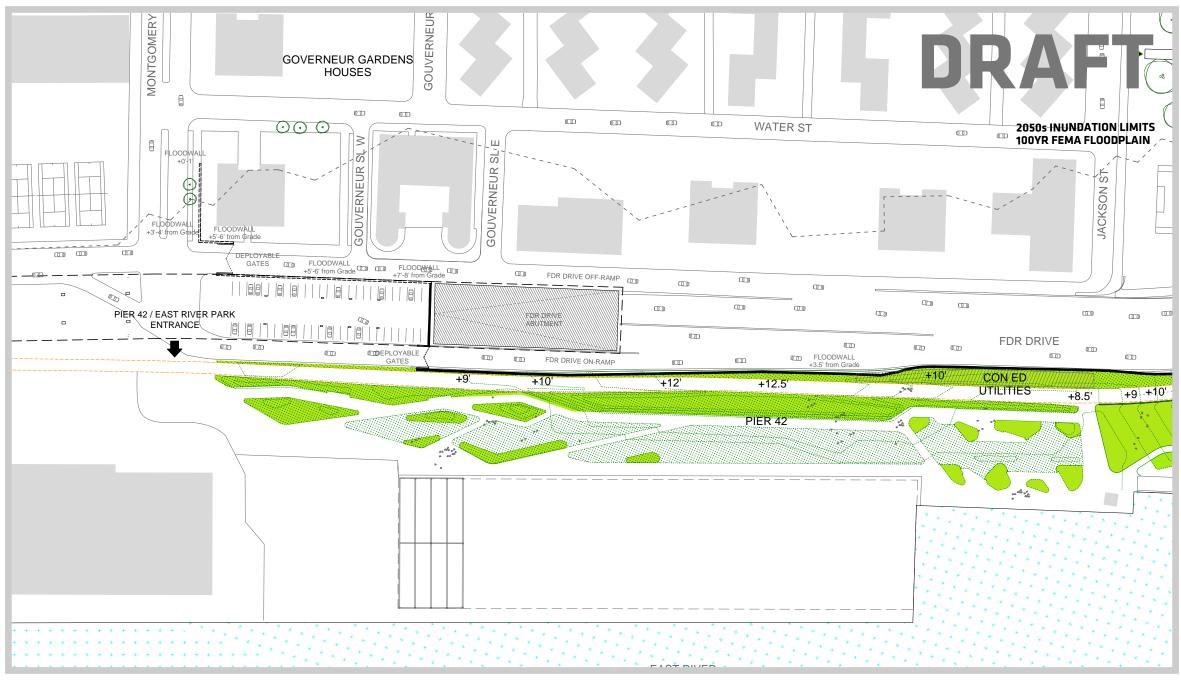
## **EXISTING CONDITIONS AND CONSTRAINTS**







# **MONTGOMERY STREET AND PIER 42 PARK AREA Initial Design Direction**

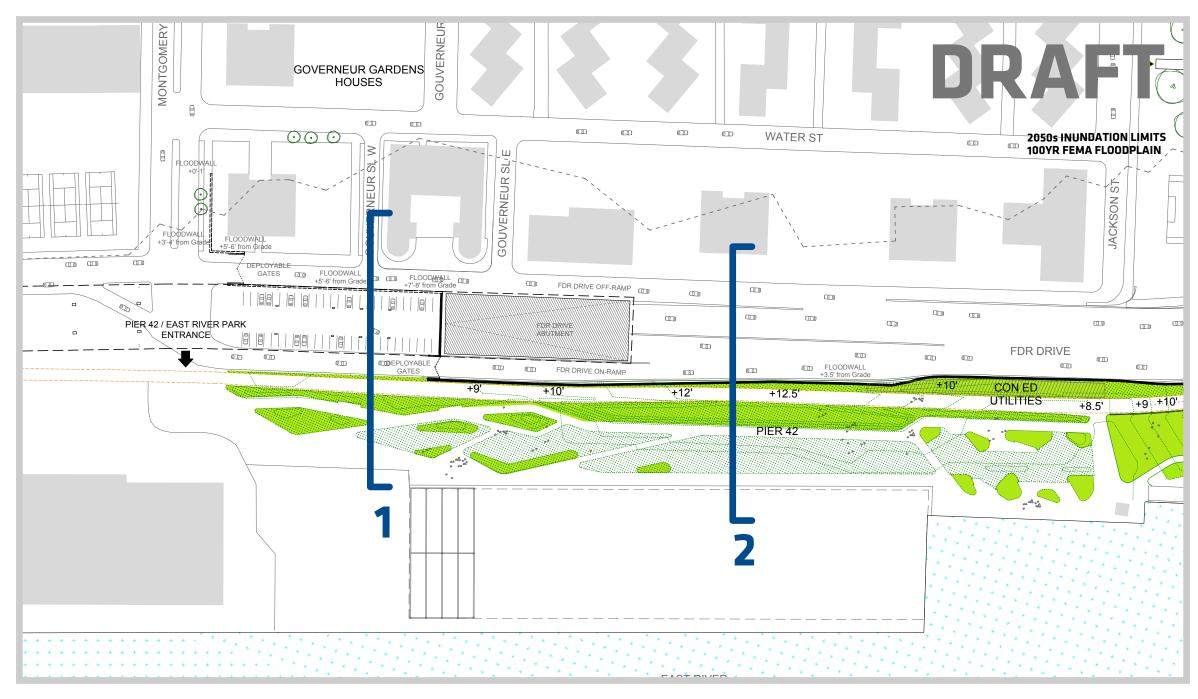


# **MONTGOMERY ST. AND PIER 42 PARK AREA CONCEPTUAL PLAN LAYOUT - UNDER DEVELOPMENT**





# **MONTGOMERY STREET AND PIER 42 PARK AREA Initial Design Direction**



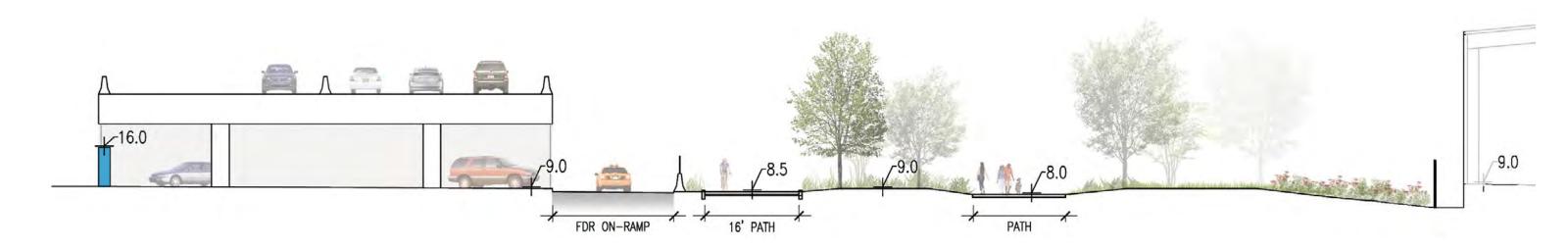
## **CROSS-SECTIONS**





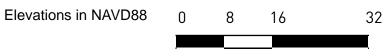
# **CROSS-SECTION 1**

Flood Protection Alignment Along FDR Drive at South Street



Flo

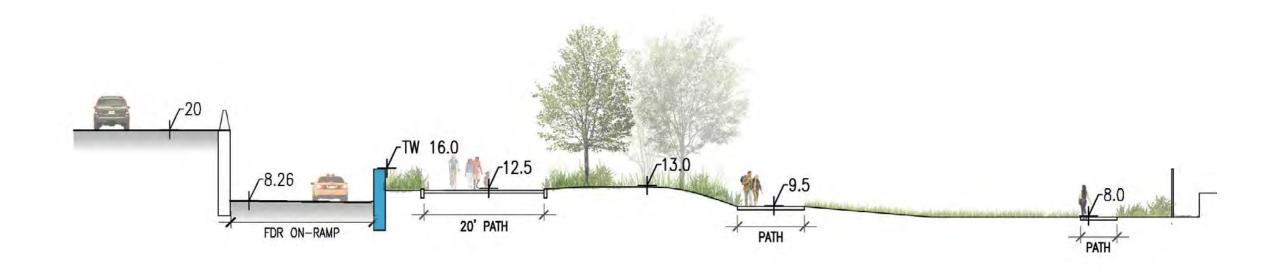
### Flood Protection





# **CROSS-SECTION 2**

## Flood Protection Alignment at Park Edge



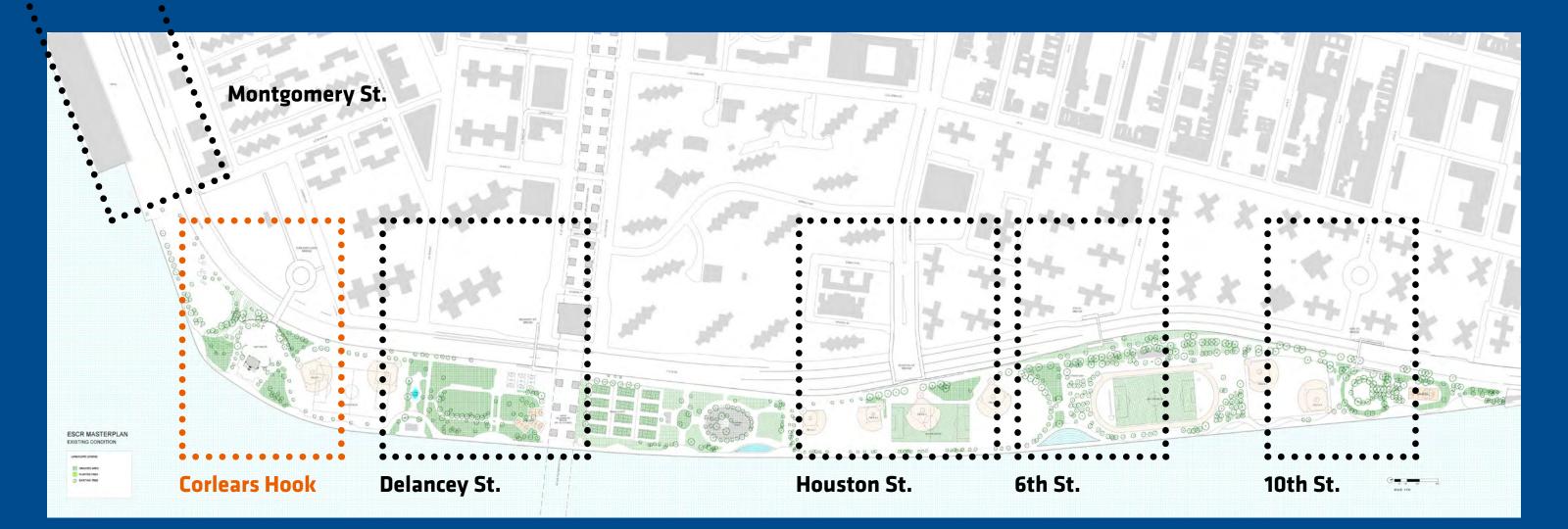
Elevations in NAVD88

Flood Protection





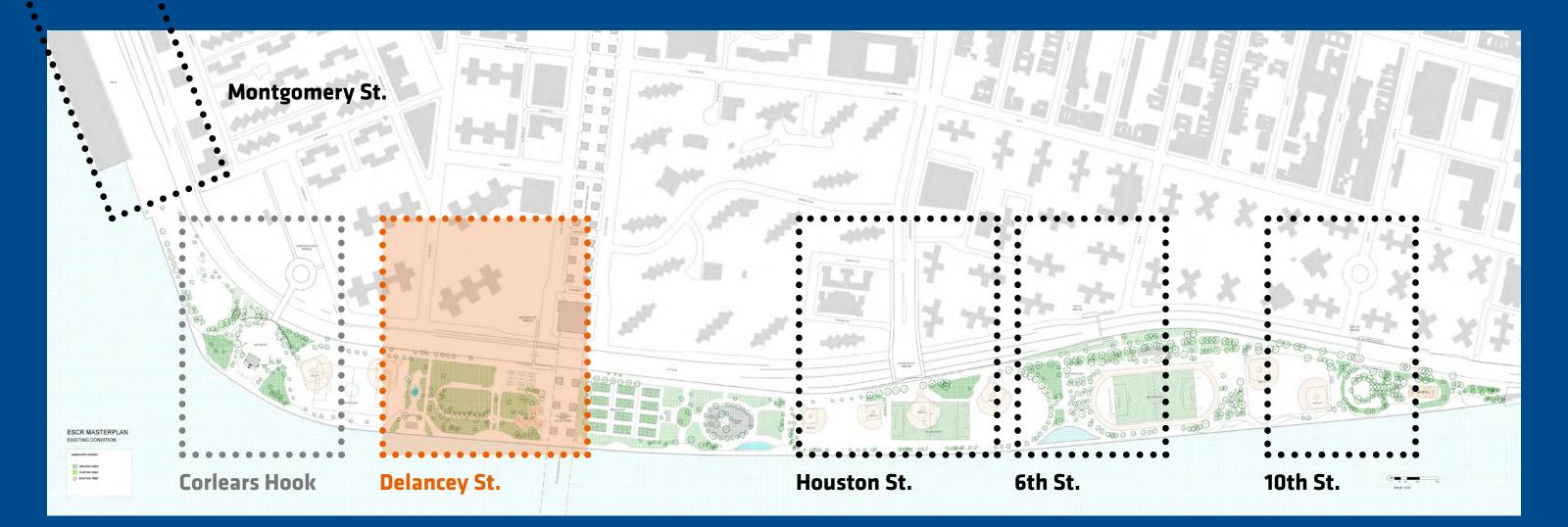
# **EVALUATING THE ALTERNATIVES** Community feedback on the Corlears Hook Area



# **CORLEARS HOOK**



# **EVALUATING THE ALTERNATIVES** Community feedback on the Delancey St. Bridge Area

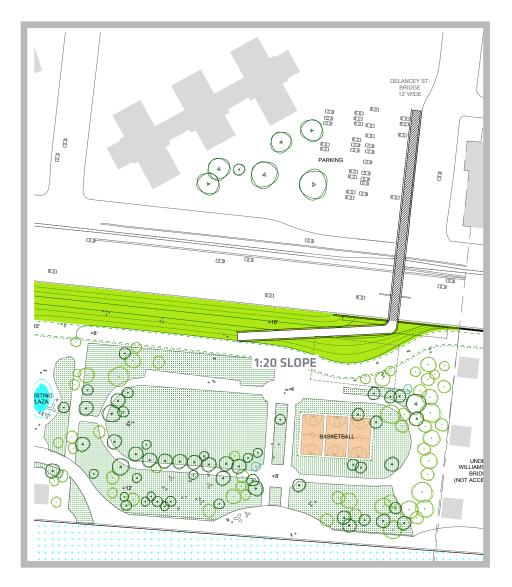


# **DELANCEY STREET**



# **EVALUATING THE ALTERNATIVES**

Community feedback on the Delancey St. Bridge Area







#### **ALTERNATIVE 1 BASELINE FLOOD PROTECTION**

#### **ALTERNATIVE 2** MID-RANGE OPEN SPACE AND ACCESS IMPROVEMENTS

### **COMMUNITY FEEDBACK:**

- MODEST-IMPACT BRIDGE SPAN, WITH SEPARATED BIKE AND PEDESTRIAN CIRCULATION - AN EXTENSIVE BERM OFFERING UNPROGRAMMED SPACE IN EAST RIVER PARK

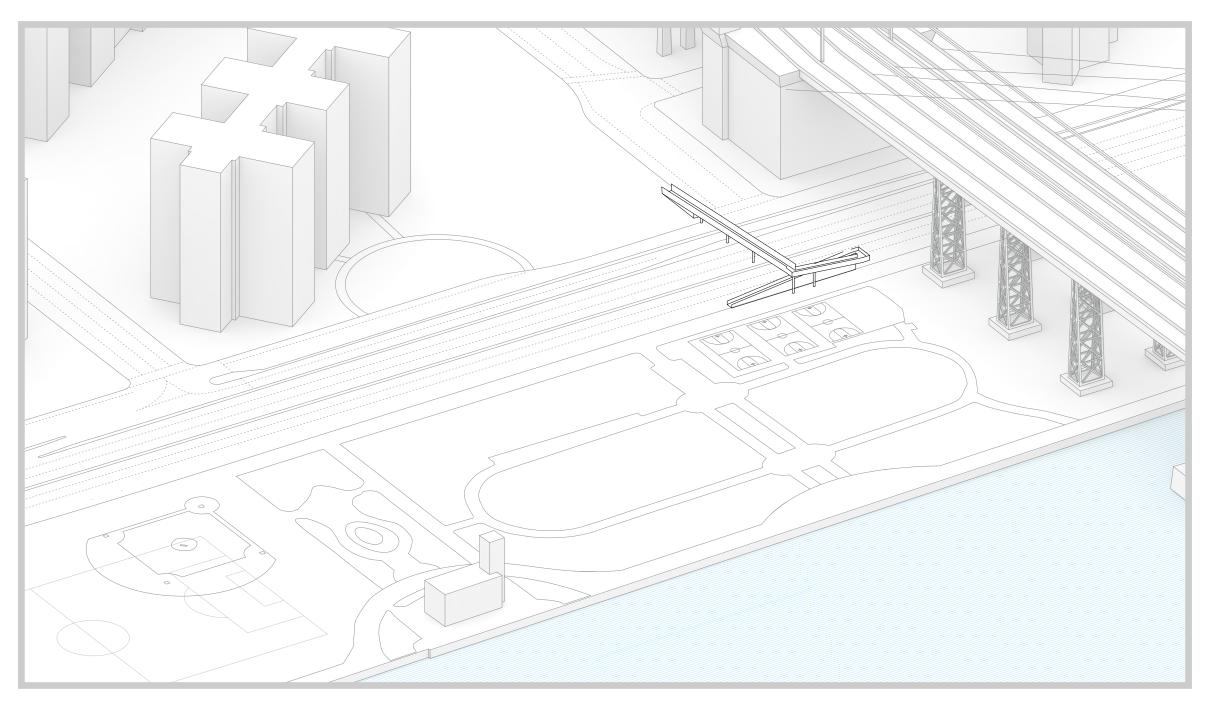
- GRAND ST. CONNECTION
- EXISTING RAMP CONFIGURATION

- IMPEDIMENT OF EAST RIVER CO-OP CIRCULATION AND EMERGENCY VEHICLE ACCESS

- THREATS TO SENIOR SAFETY

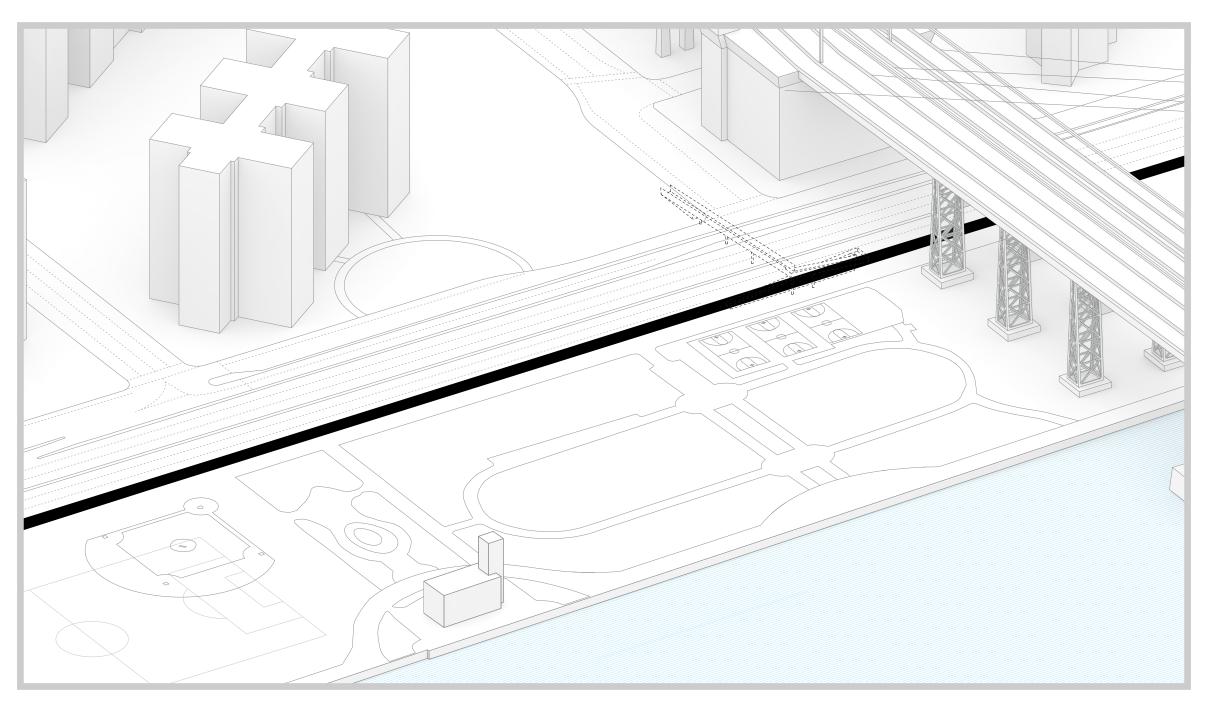
#### **ALTERNATIVE 3 HIGH-RANGE OPEN SPACE AND** ACCESS IMPROVEMENTS





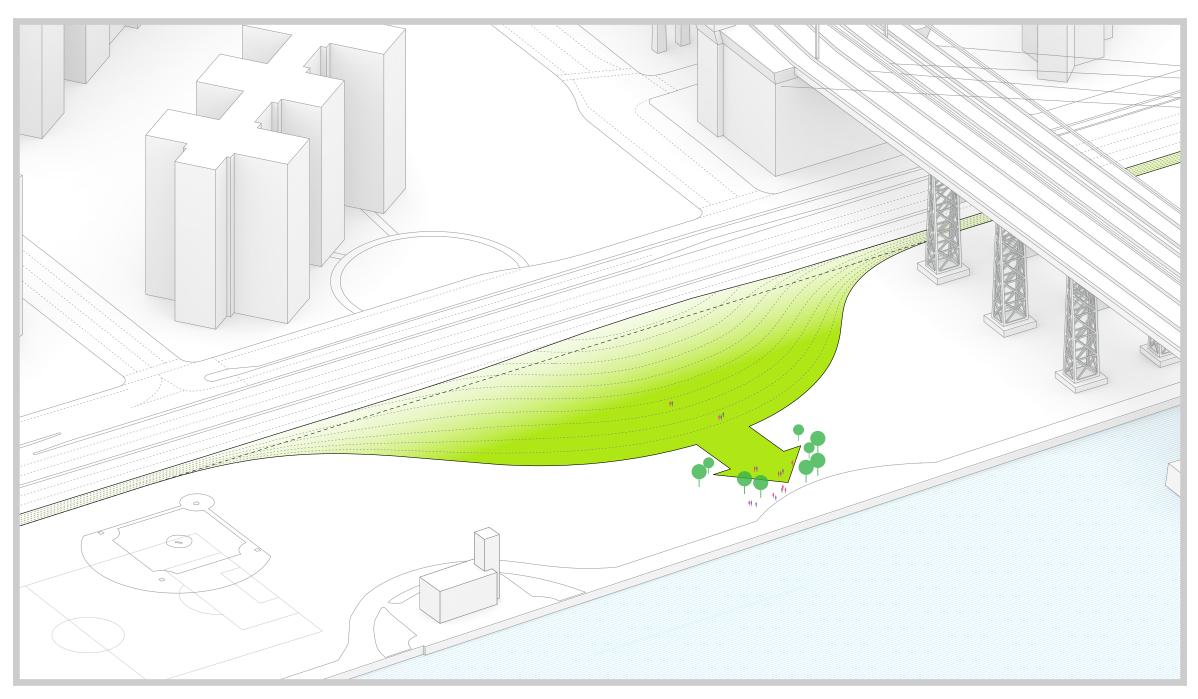
### **DELANCEY ST. AREA - EXISTING**





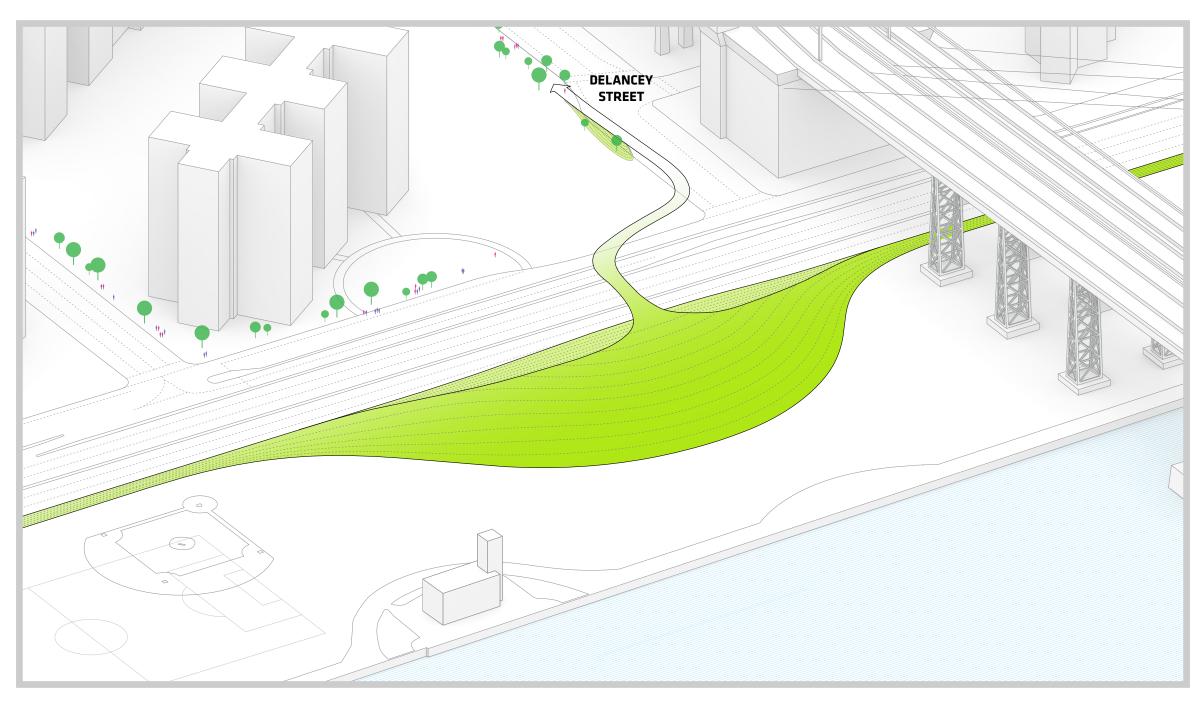
### **1. BASELINE FLOOD PROTECTION**





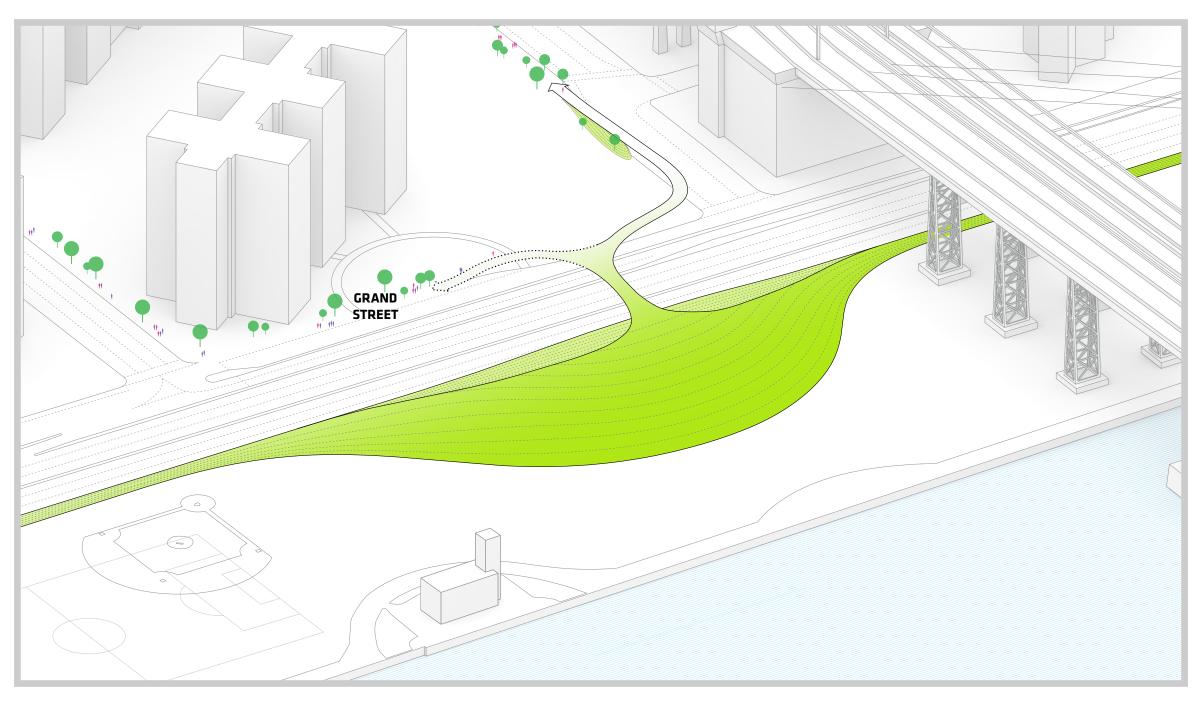
**2. BERM** 





### **3. CONNECT TO NEIGHBORHOOD**





### **3. CONNECT TO NEIGHBORHOOD**





### **5. EDUCATIONAL LANDSCAPE!**





### **DELANCEY STREET AREA** CONCEPTUAL PLAN LAYOUT



### **EVALUATING THE ALTERNATIVES** Community feedback on the Houston St. Overpass Area

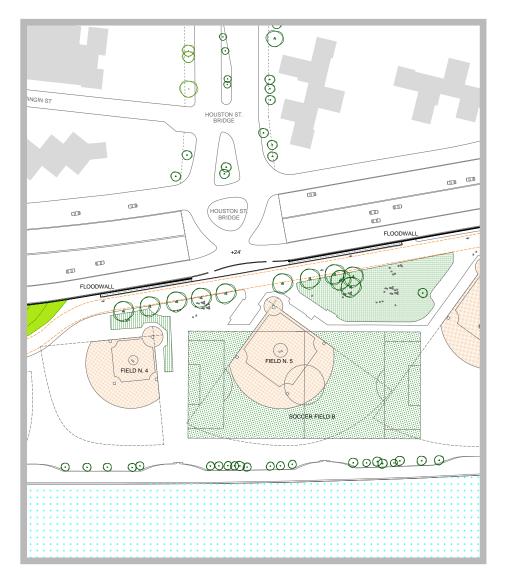


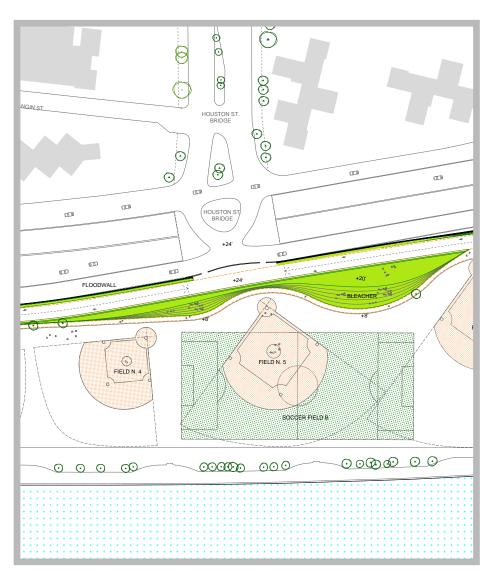
# **HOUSTON STREET**

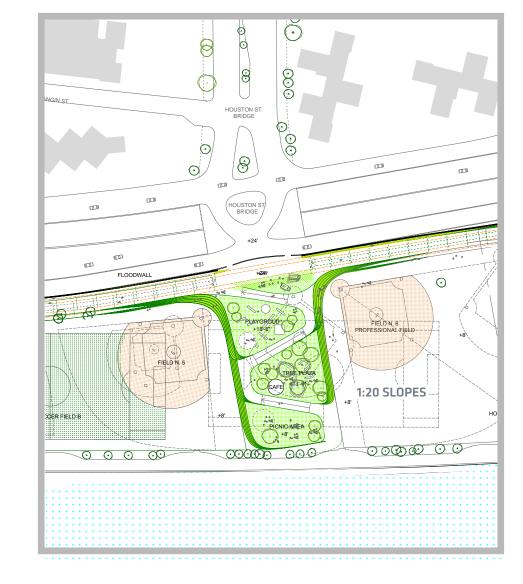


# **EVALUATING THE ALTERNATIVES**

### Community feedback on the Houston St. Overpass Area







#### **ALTERNATIVE 1 BASELINE FLOOD PROTECTION**

#### **ALTERNATIVE 2** MID-RANGE OPEN SPACE AND ACCESS IMPROVEMENTS

#### **COMMUNITY FEEDBACK:**

- STRONG SUPPORT FOR "PUNCH-THROUGH"

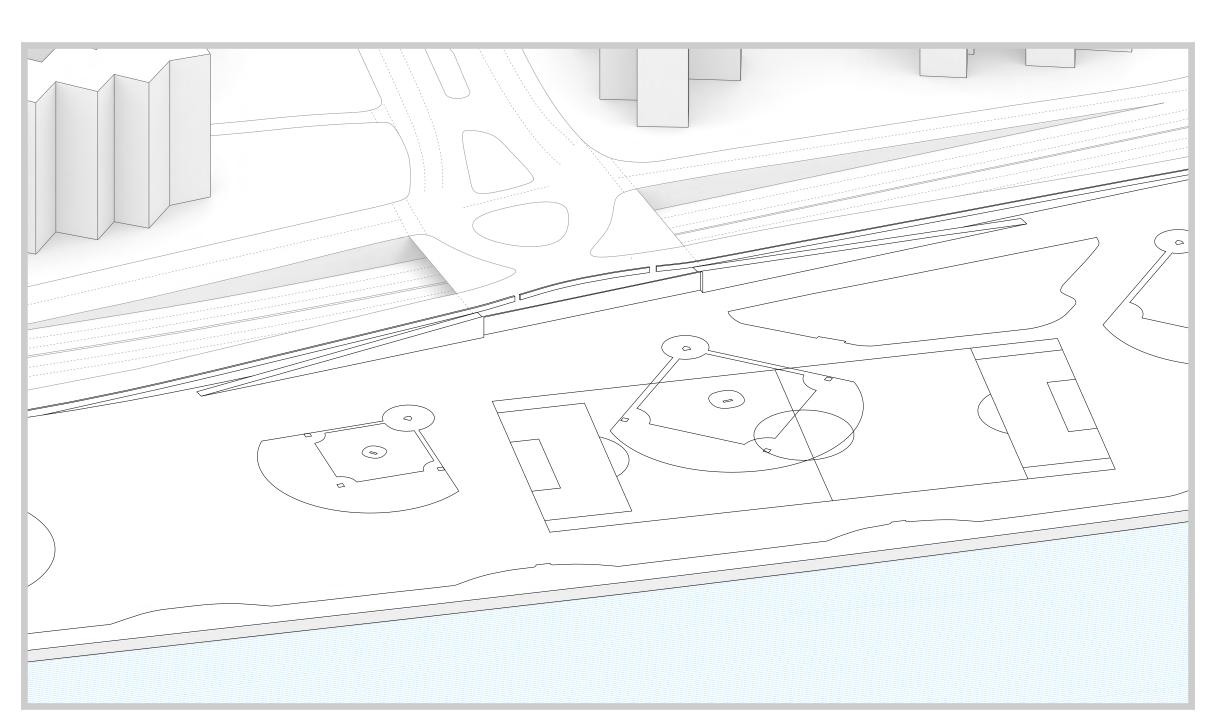
- NEW FAMILY-FRIENDLY TERRACES AND PICNIC AREAS



- EXISTING RAMP CONFIGURATION - CURRENT TRAFFIC SIGNALIZATION

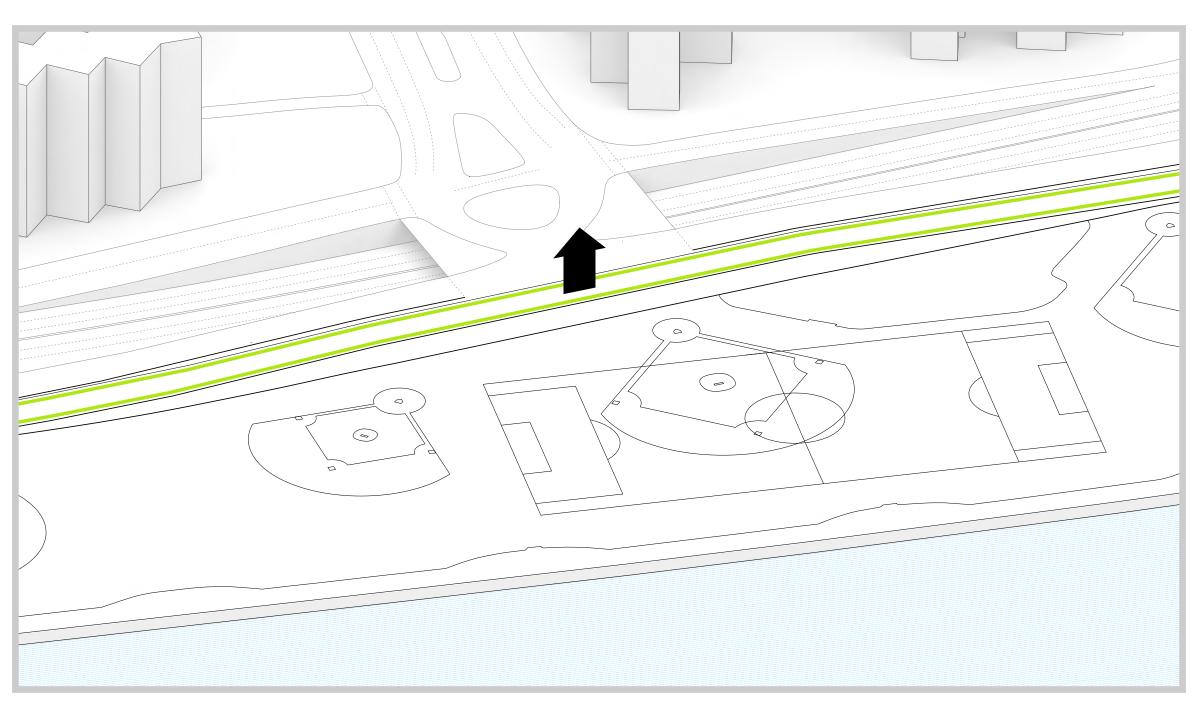


#### **ALTERNATIVE 3 HIGH-RANGE OPEN SPACE AND** ACCESS IMPROVEMENTS



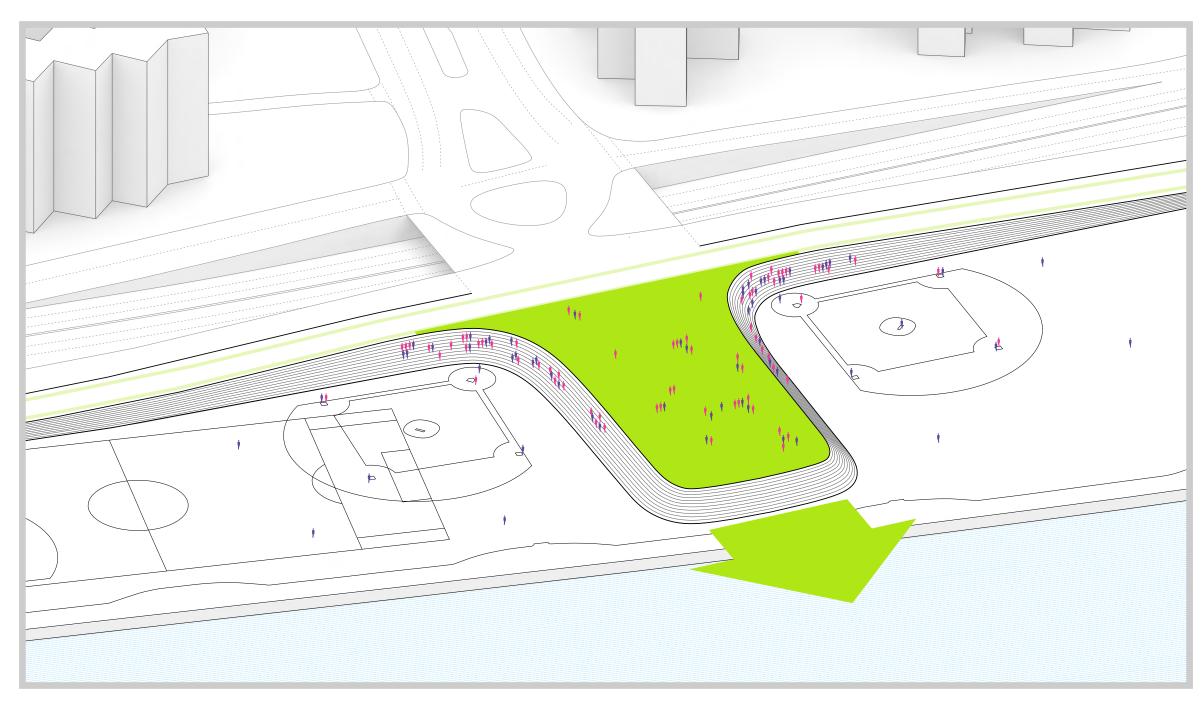
### **HOUSTON STREET AREA - EXISTING**





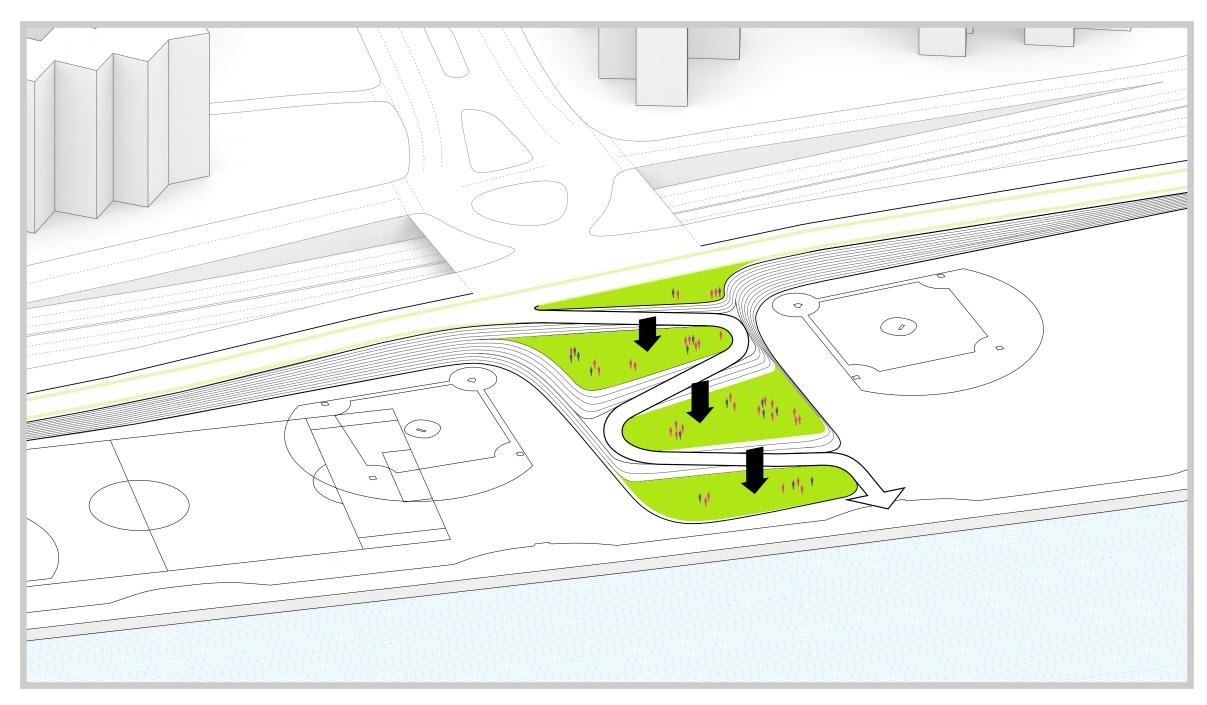
### **1. RAISED PATH**





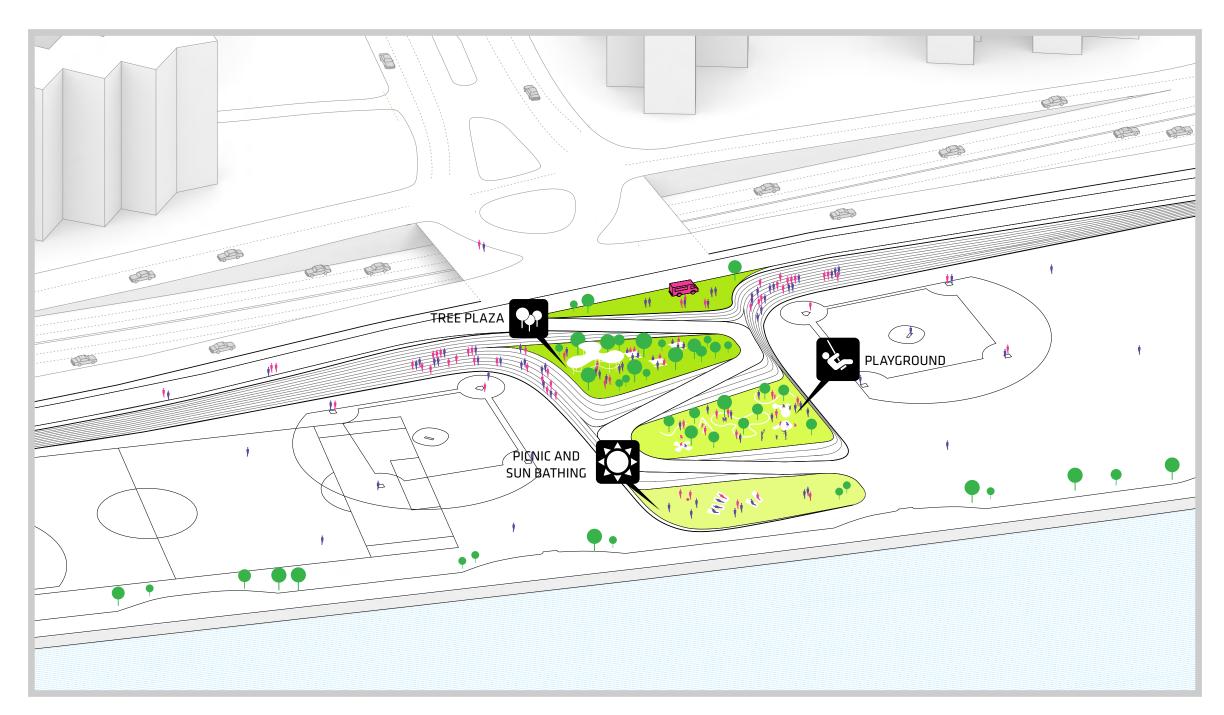
### **2. CONNECT TO WATER**





**3. ADA ACCESSIBLE RAMPS** 





**4. FAMILY-FRIENDLY PLAZA!** 

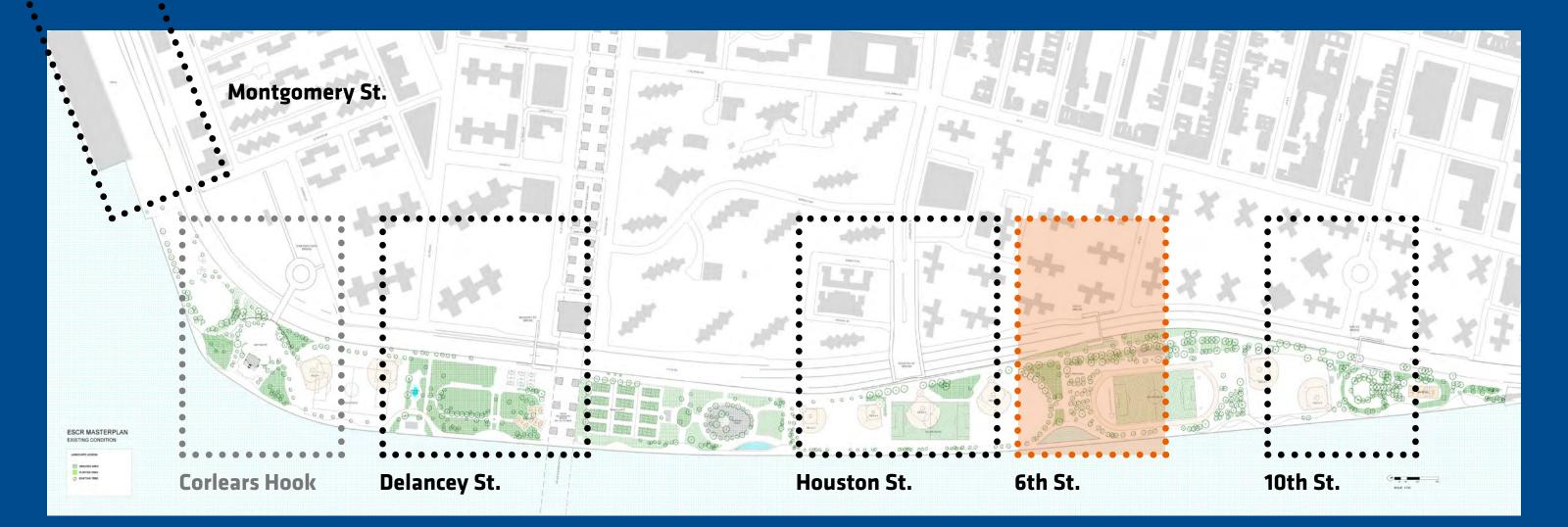




### HOUSTON STREET AREA CONCEPTUAL PLAN LAYOUT



### **EVALUATING THE ALTERNATIVES** Community feedback on the E. 6th St. Bridge Area



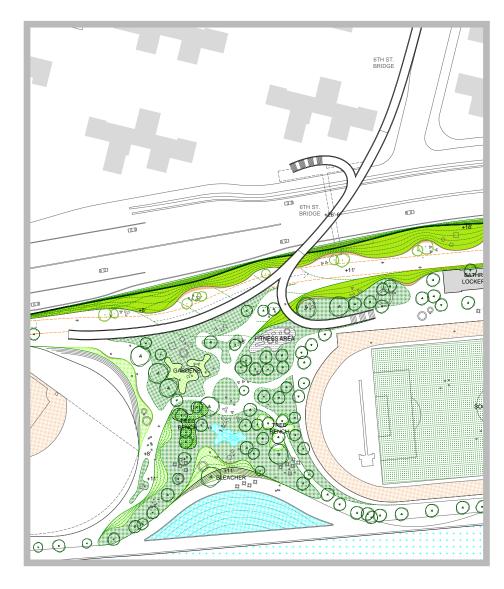


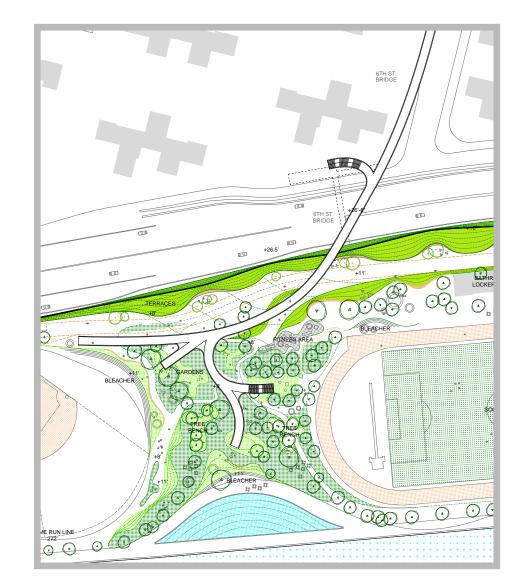


# **EVALUATING THE ALTERNATIVES**

### Community feedback on the E. 6th St. Bridge Area







#### **ALTERNATIVE 1 BASELINE FLOOD PROTECTION**

#### **ALTERNATIVE 2** MID-RANGE OPEN SPACE AND ACCESS IMPROVEMENTS

#### **COMMUNITY FEEDBACK:**

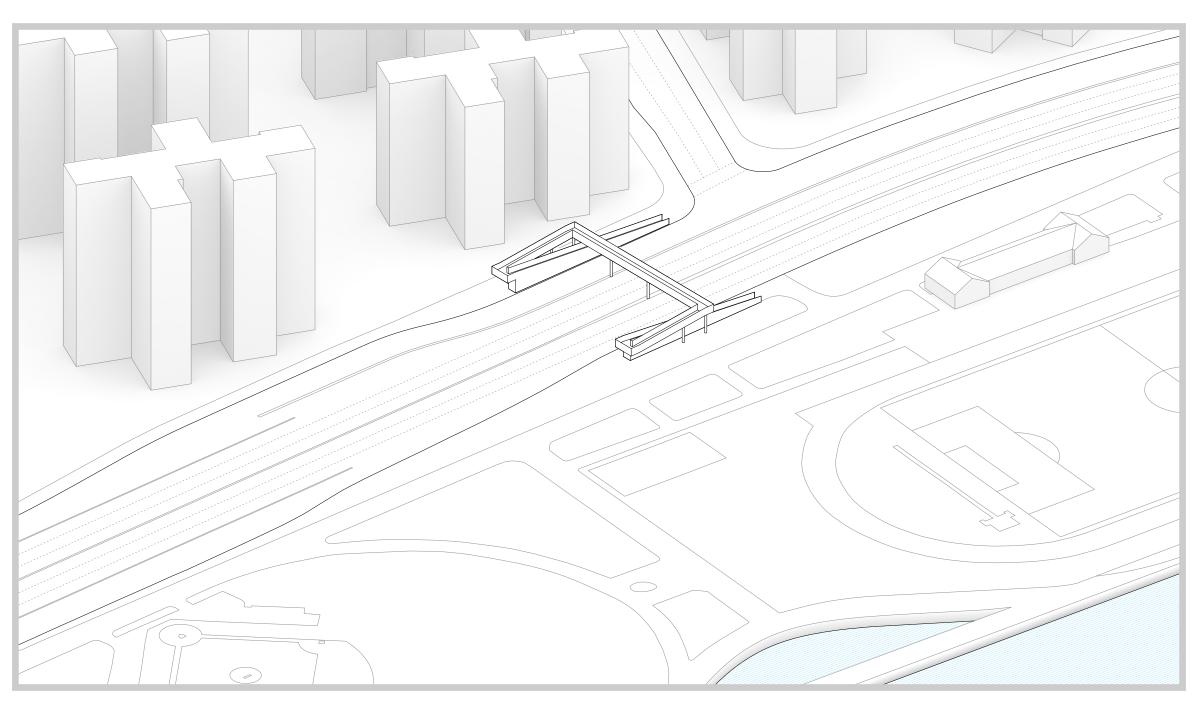
- PROVIDE ELEVATED CROSSING OVER SHARED BIKE PATH

- ADDITONAL ACCESS POINTS TO COMPLEMENT MAIN RAMPS AND ALLOW FOR QUICK ENTRY INTO THE PARK - EXTENDING PARK SIDE RAMPS TO BRING VISITORS CLOSER TO THE ESPLANADE

- LONG CITY-SIDE EXTENSION TOWARD E. 6TH ST.

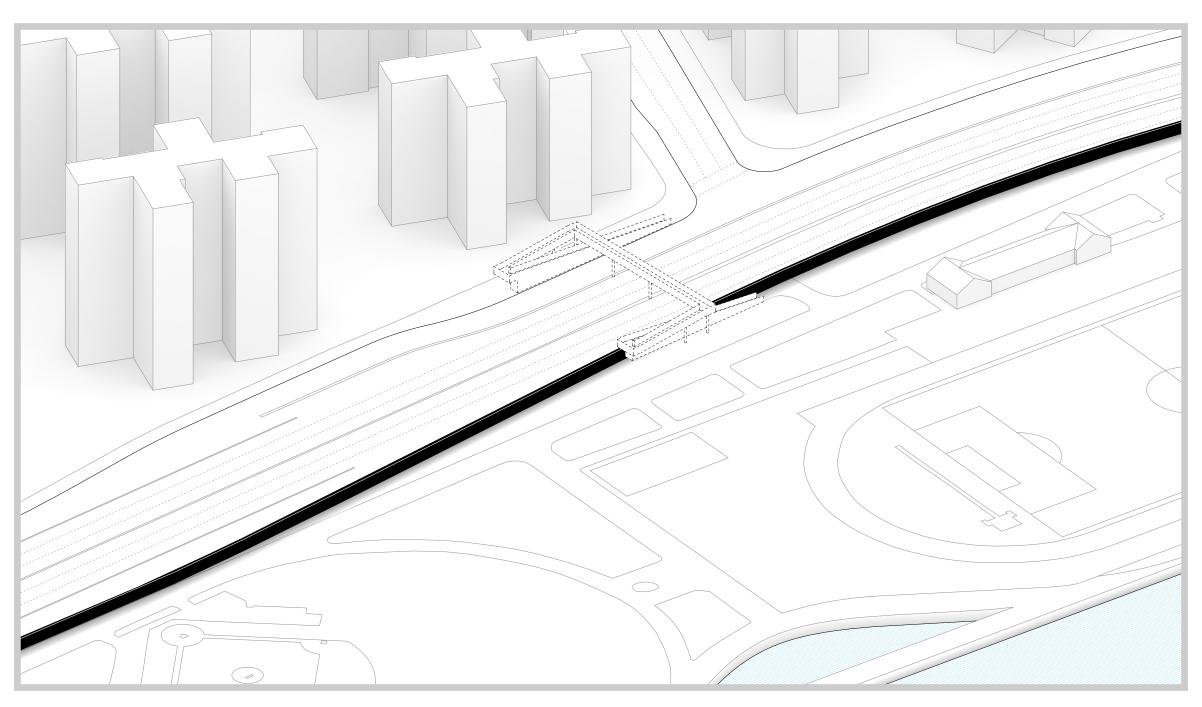
#### **ALTERNATIVE 3 HIGH-RANGE OPEN SPACE AND** ACCESS IMPROVEMENTS





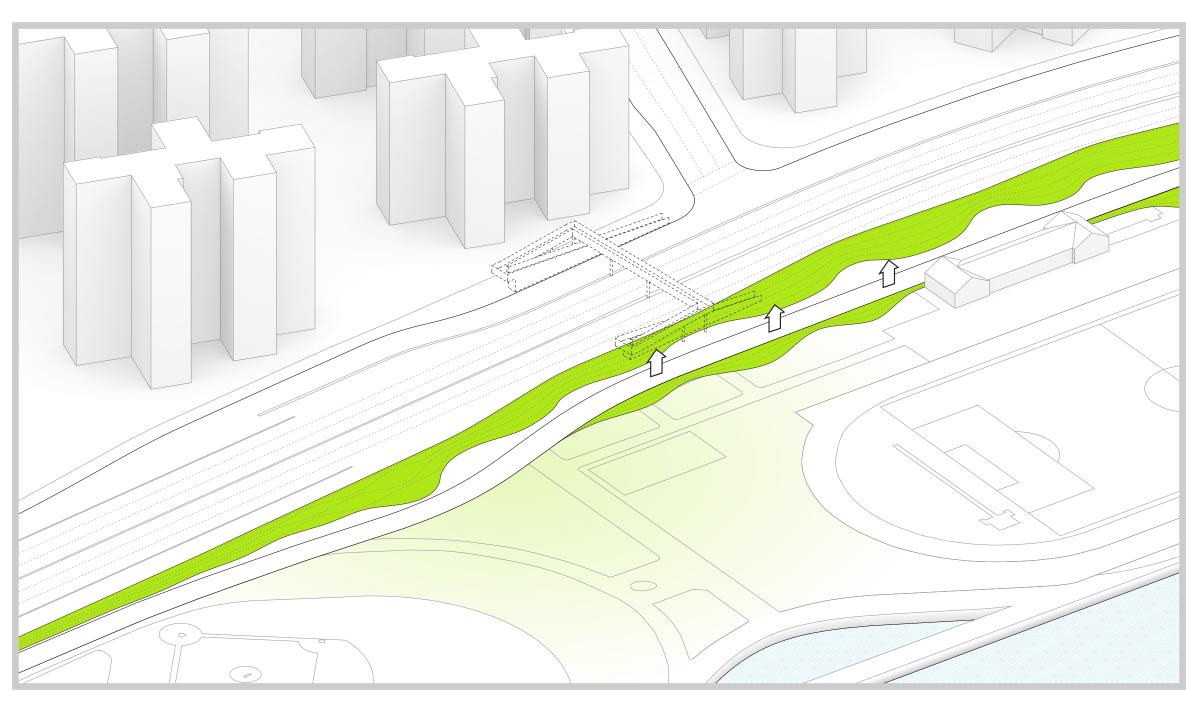
**EAST 6TH STREET AREA - EXISTING** 





### **1. BASELINE FLOOD PROTECTION**





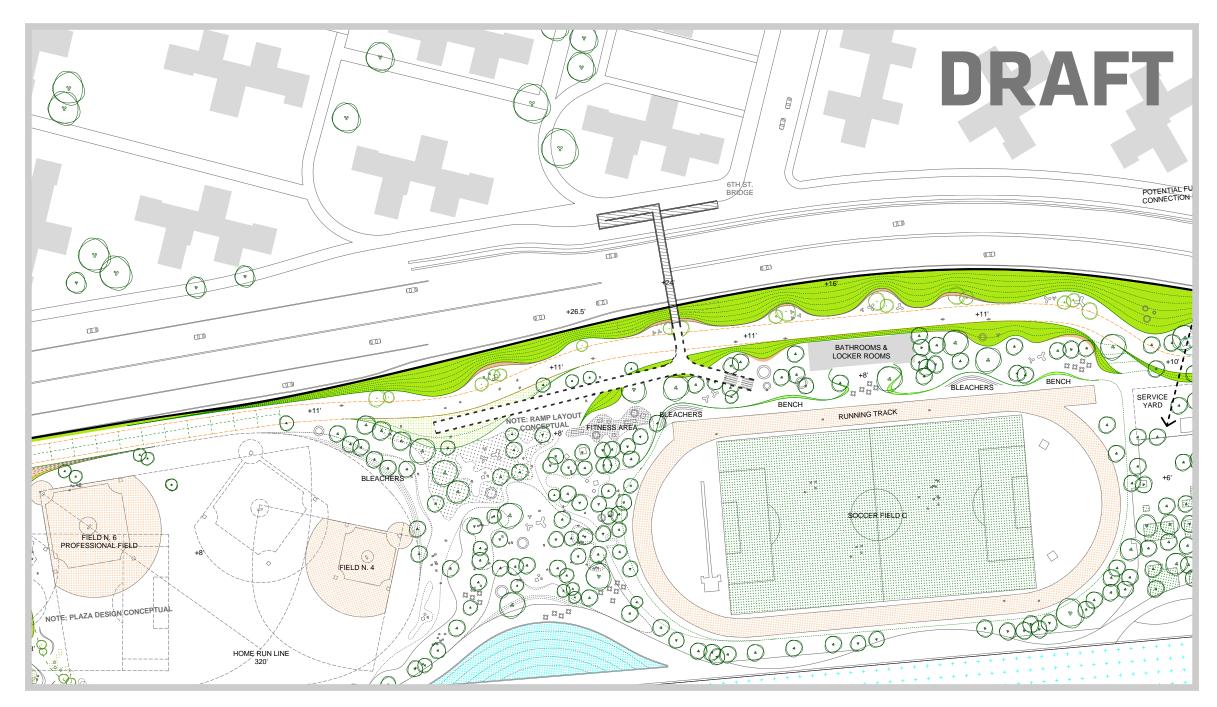
**2. RAISED PATH AND BERM** 





**3. SAFER PARK-SIDE ACCESS!** 

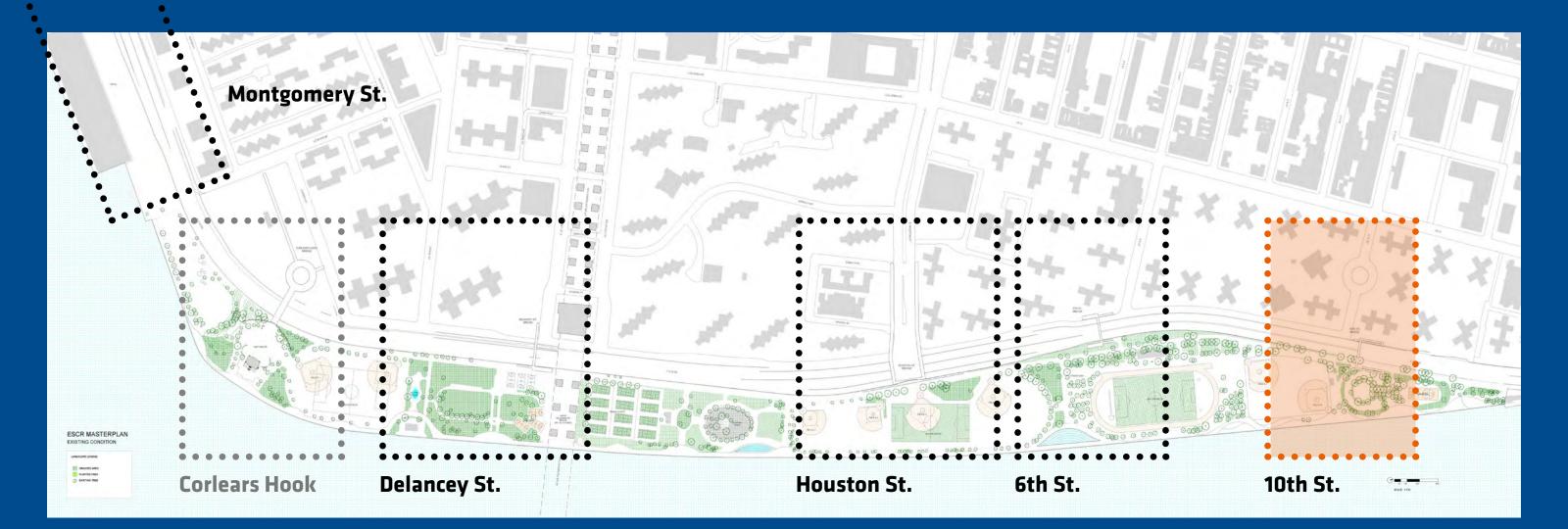




### **EAST 6TH STREET AREA** CONCEPTUAL PLAN LAYOUT



### **EVALUATING THE ALTERNATIVES** Community feedback on the E. 10th St. Bridge Area

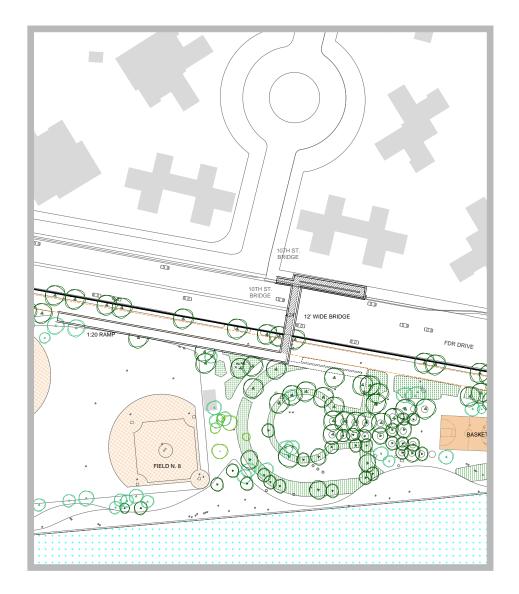


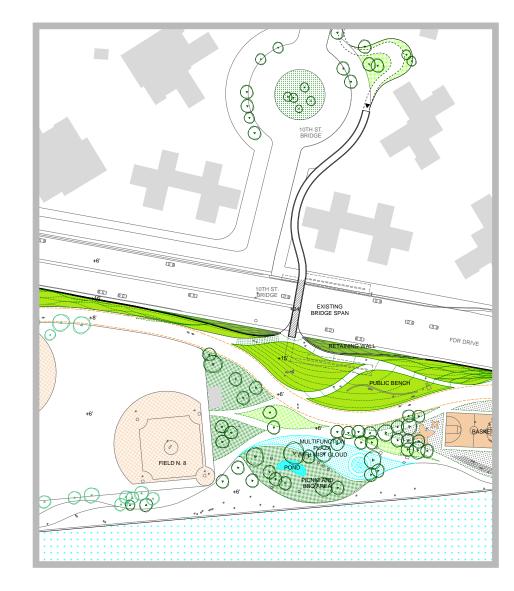
# **10TH STREET**

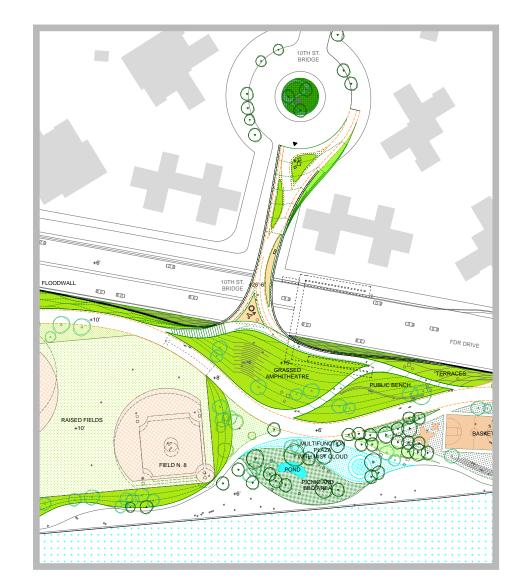


# **EVALUATING THE ALTERNATIVES**

### Community feedback on the E. 10th St. Bridge Area







#### **ALTERNATIVE 1 BASELINE FLOOD PROTECTION**

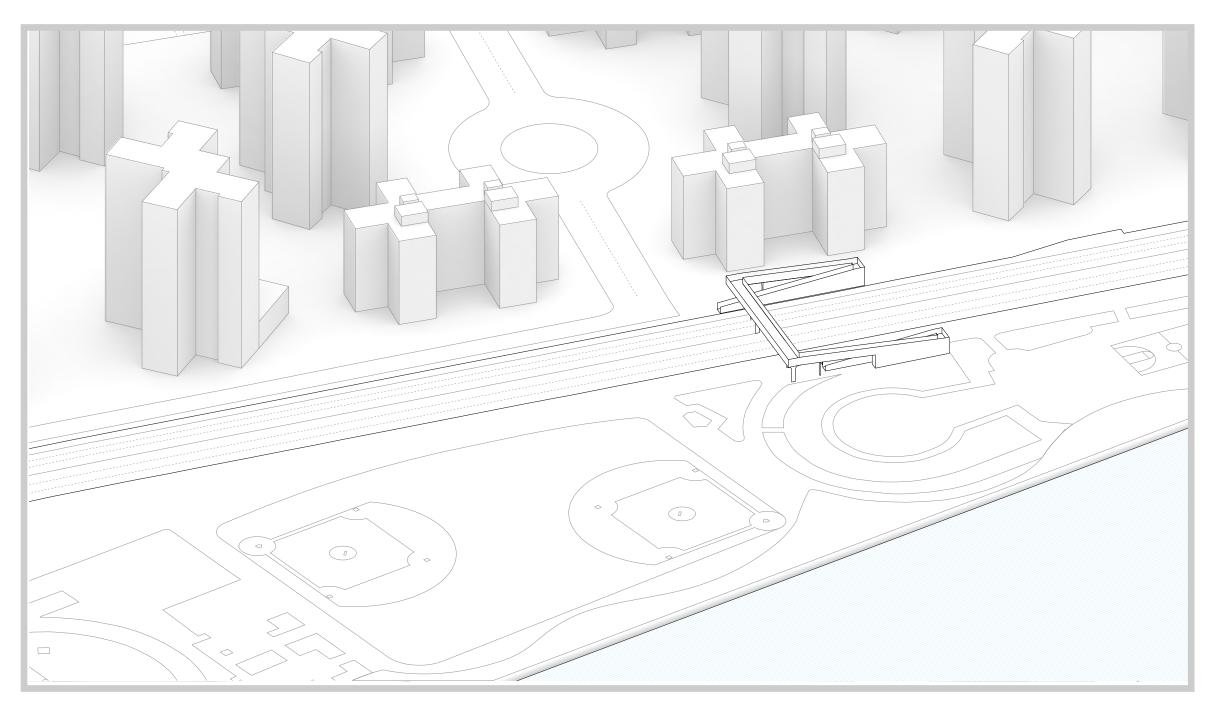
#### **ALTERNATIVE 2** MID-RANGE OPEN SPACE AND ACCESS IMPROVEMENTS

### **COMMUNITY FEEDBACK:**

- WIDE BRIDGE SPAN AND LANDSCAPED CITY-SIDE LANDING POINT
- ACTIVATION OF 10TH ST. ROUNDABOUT
- EXTENSIVE BERM OFFERING UNPROGRAMMED SPACE IN EAST RIVER PARK, MAINTAINING PICNIC, BBQ, AND **PLAYGROUND USES**
- CURRENT CITY-SIDE RAMP LOCATION
- ENCROACHMENT ON ADJACENT RIIS HOUSES

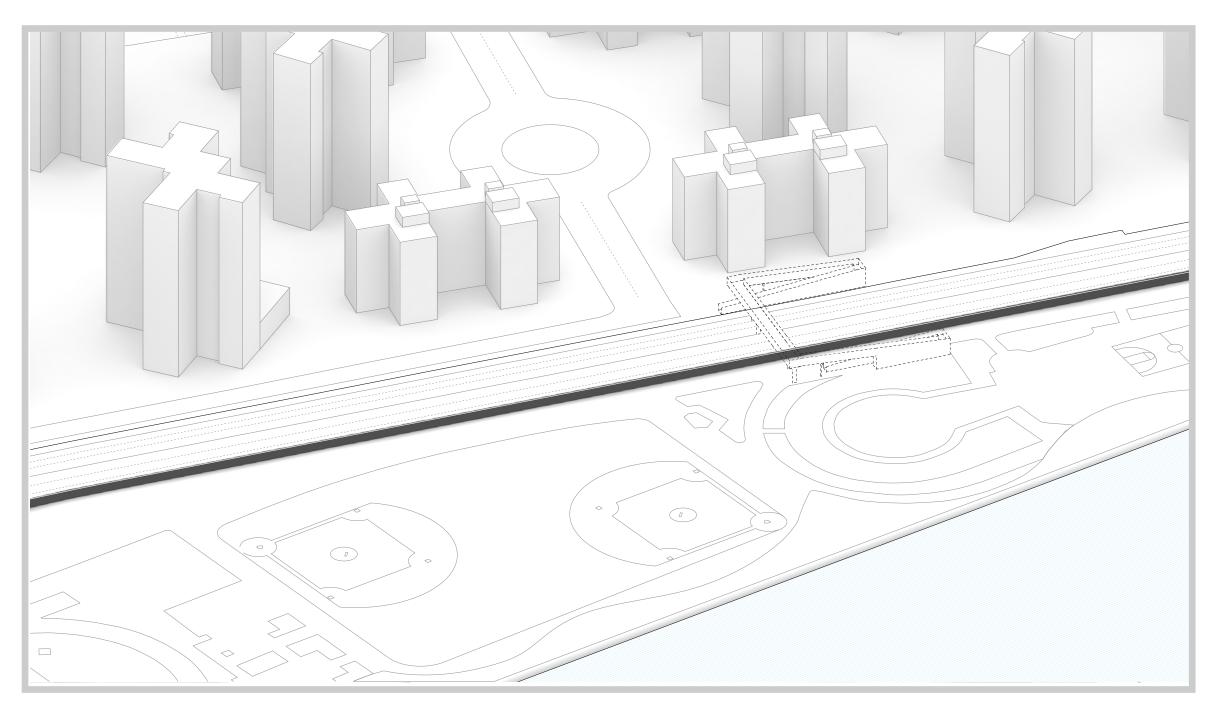
#### **ALTERNATIVE 3 HIGH-RANGE OPEN SPACE AND** ACCESS IMPROVEMENTS





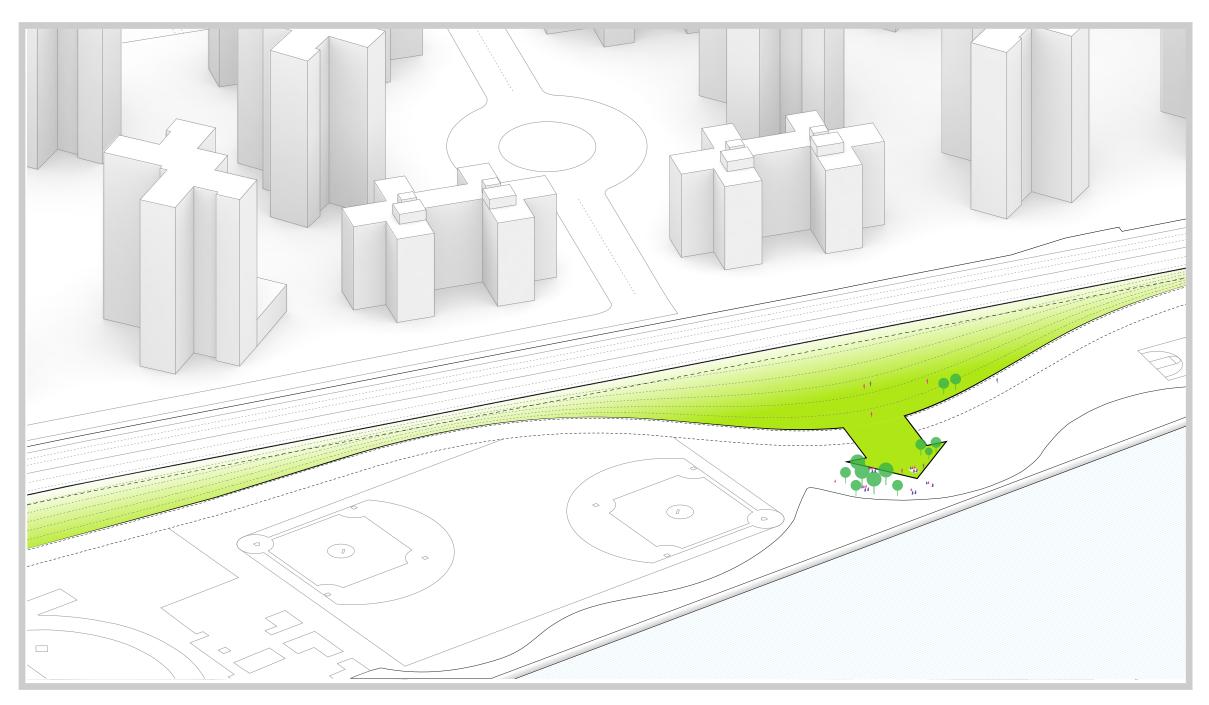
### **EAST 10TH STREET AREA - EXISTING**





### **1. BASELINE FLOOD PROTECTION**





**2. BERM** 





### **3. CONNECT TO NEIGHBORHOOD**





### **4. RAISED FIELDS AND FAMILY AREAS!**





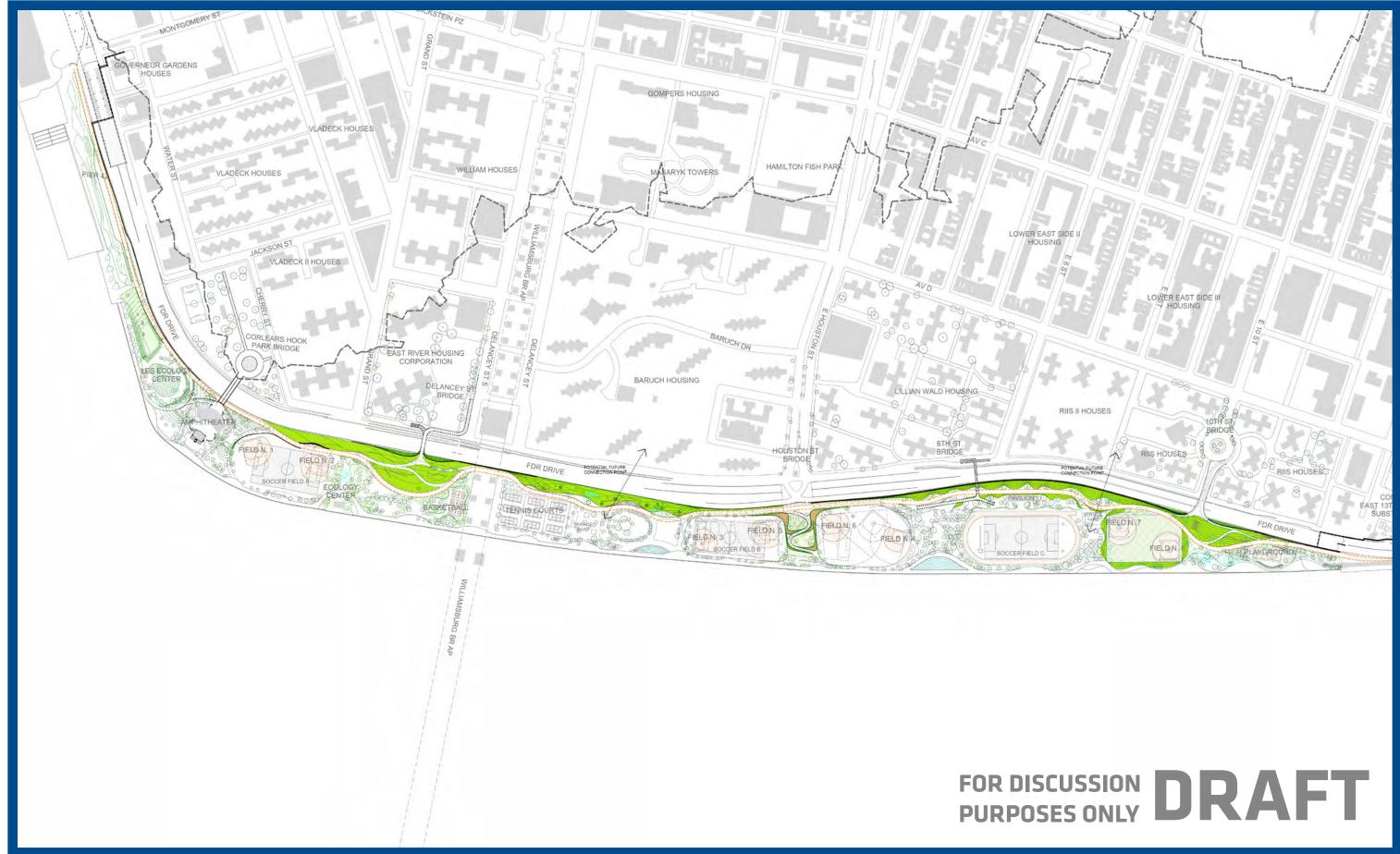
### **EAST 10TH STREET AREA** CONCEPTUAL PLAN LAYOUT



**SYNTHESIZING COMMUNITY INPUT INITIAL DESIGN DIRECTION** 



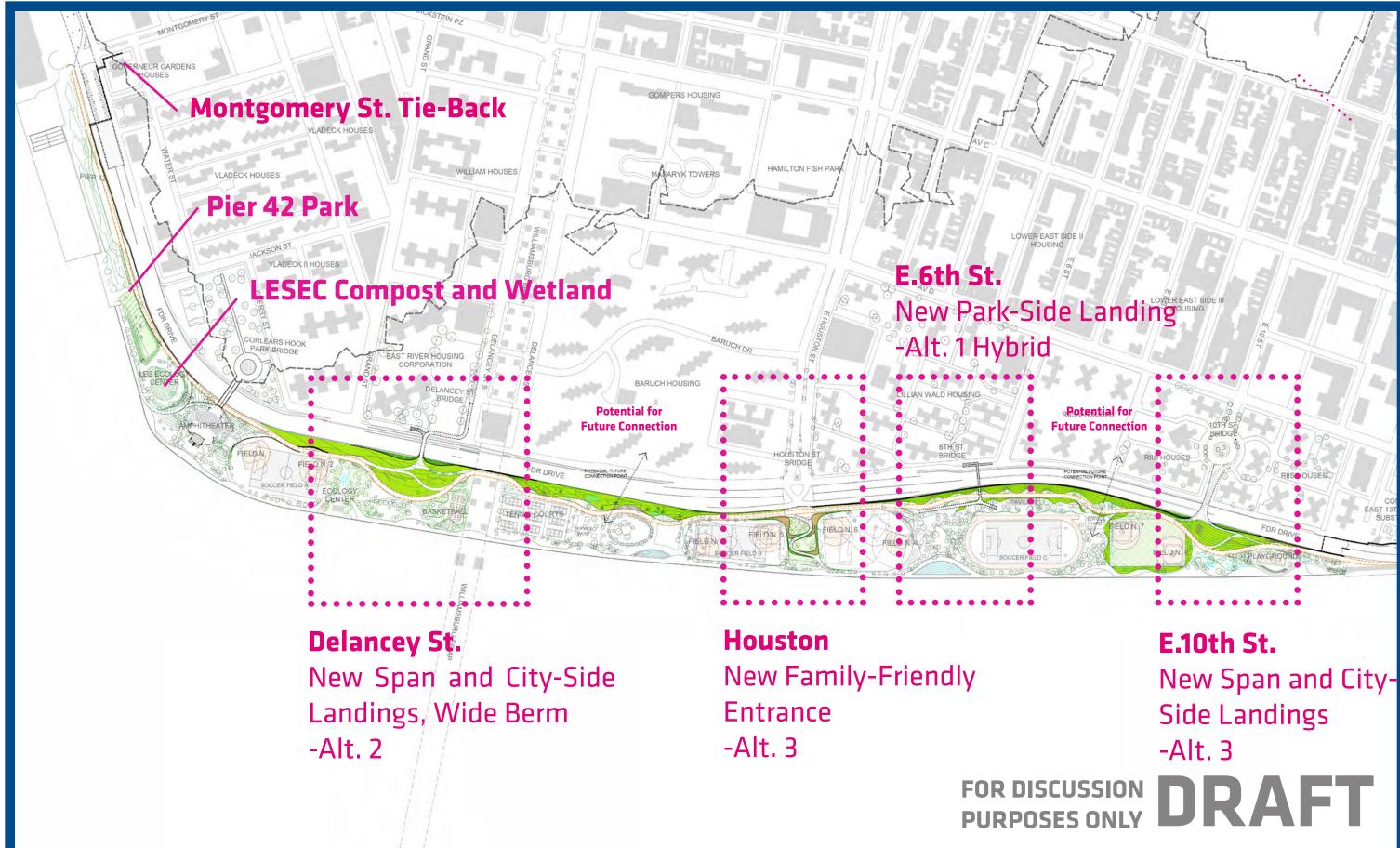
## **INITIAL DESIGN DIRECTION** Project Area One





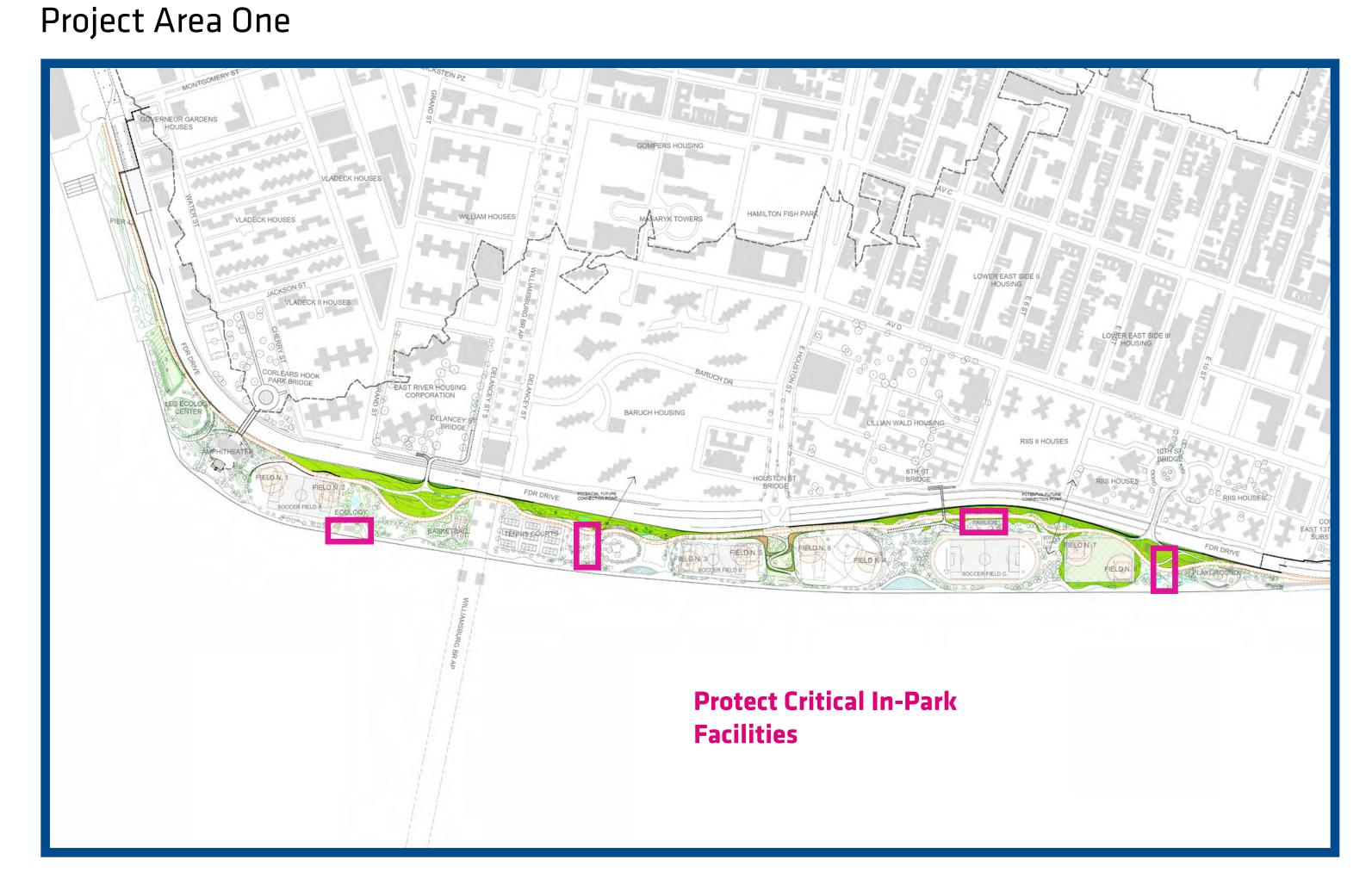
# **INITIAL DESIGN DIRECTION**

### Project Area One





# **INITIAL DESIGN DIRECTION**





### **THE BRIDGING BERM** Project Area One





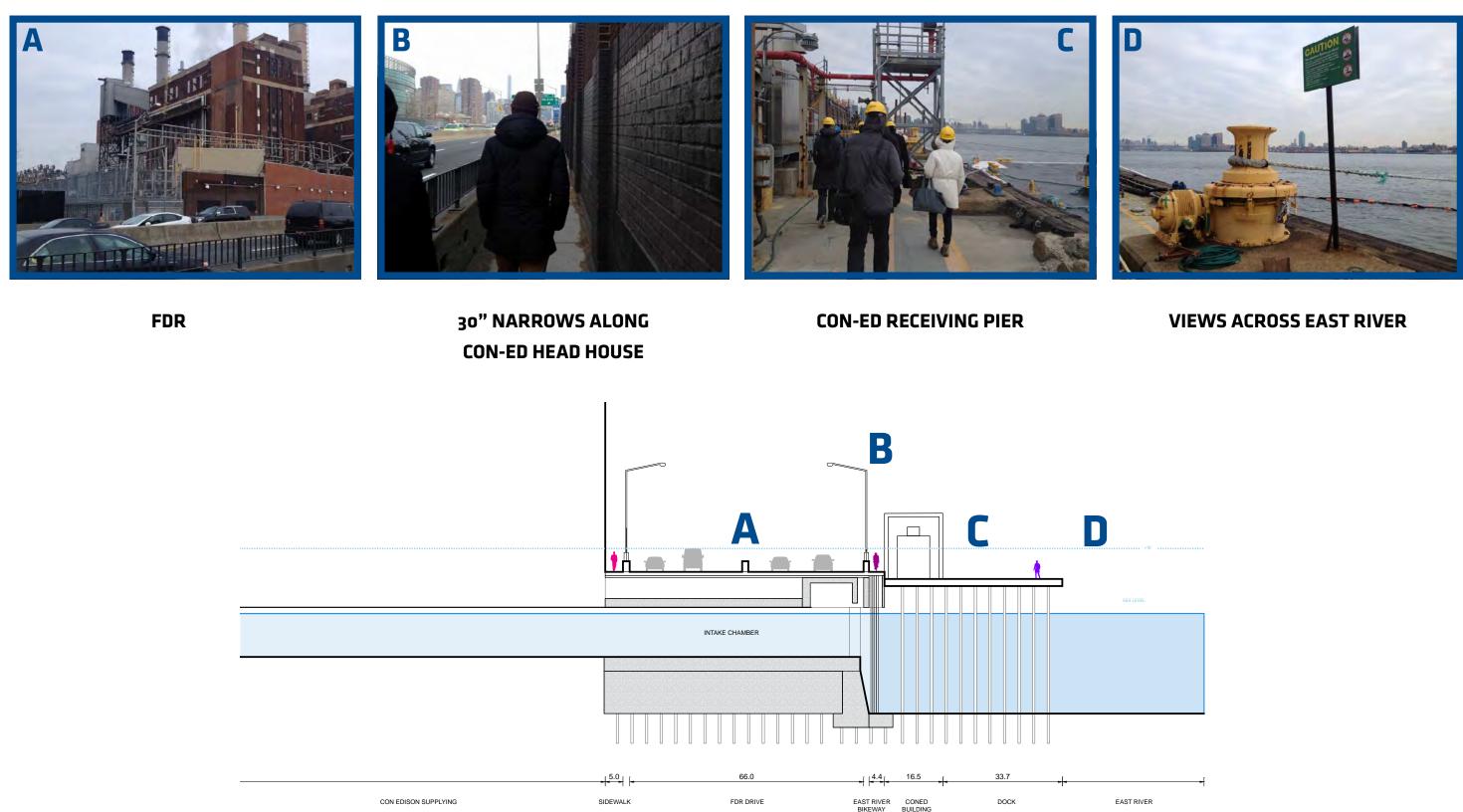
**PROJECT AREA TWO** STUYVESANT COVE

## **SEGMENT A - CON-ED NARROWS**





### **SEGMENTA - CON-ED NARROWS EXISTING CONDITIONS**





## **SEGMENT B - CAPT. PATRICK J. BROWN WALKWAY**







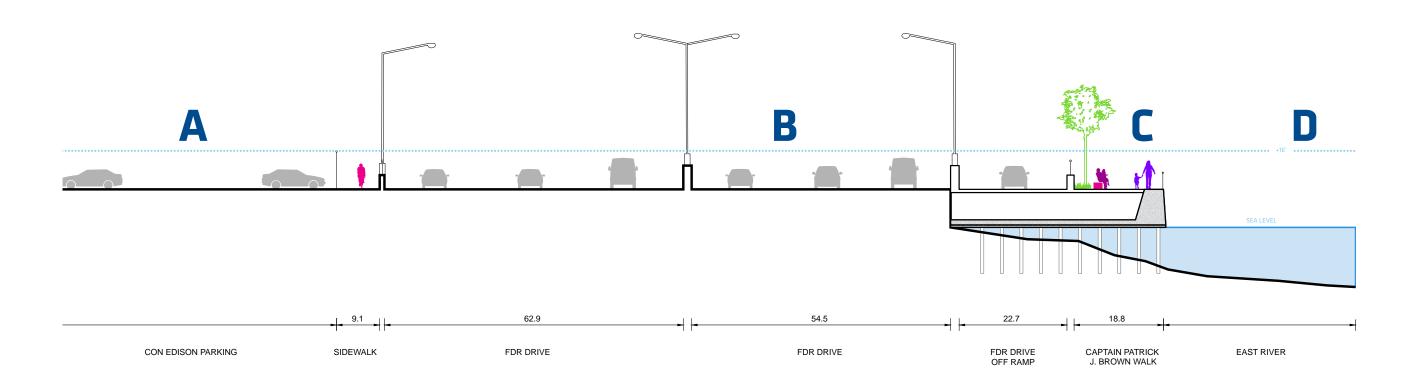
### **SEGMENT B - CAPT. PATRICK J. BROWN WALKWAY EXISTING CONDITIONS**



**CON-ED PARKING** LOT

FDR DRIVE

**CAPT. PATRICK J BROWN WALK** 



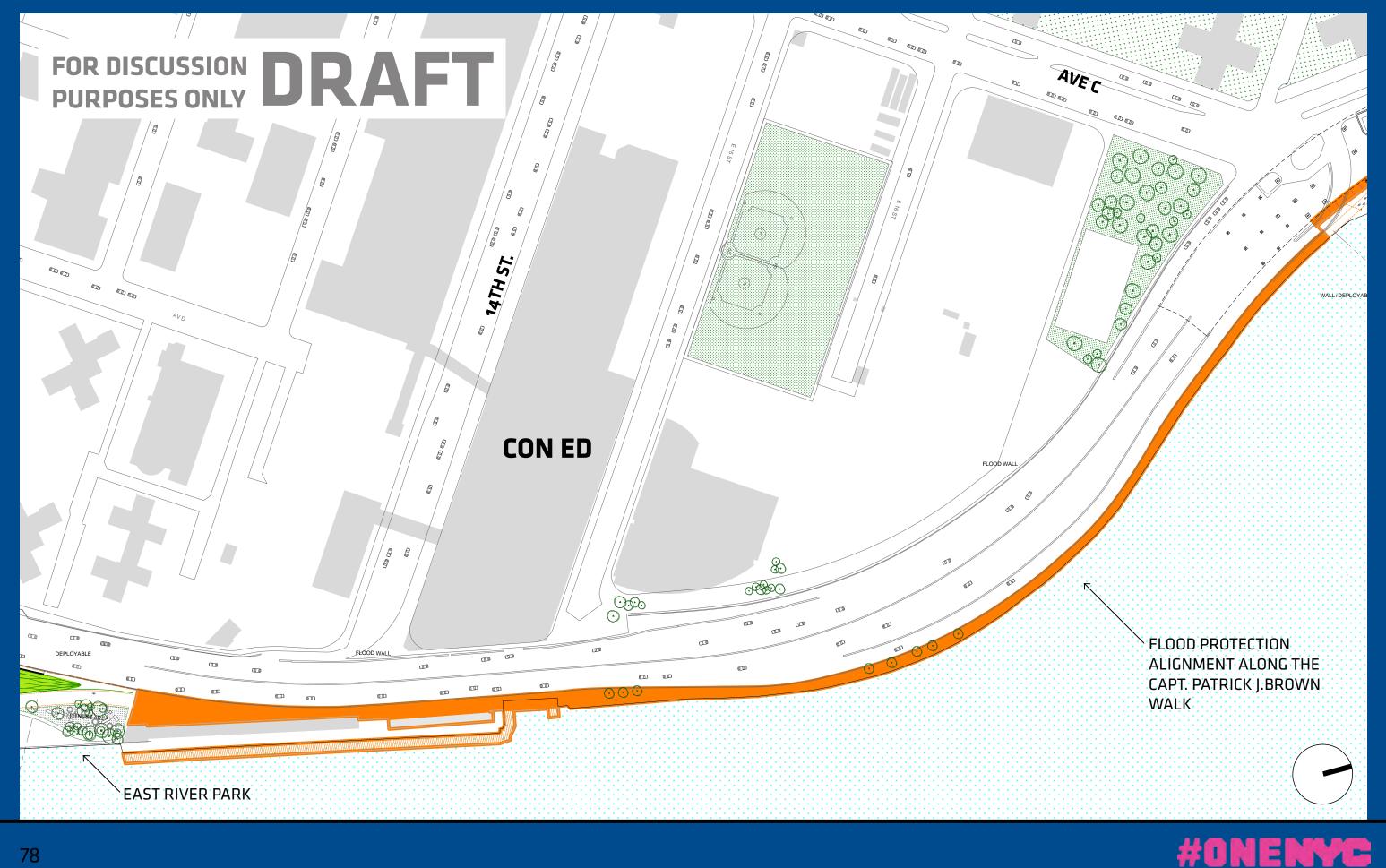


#### **DISTANT VIEWS TO U.N. AND EAST RIVER**



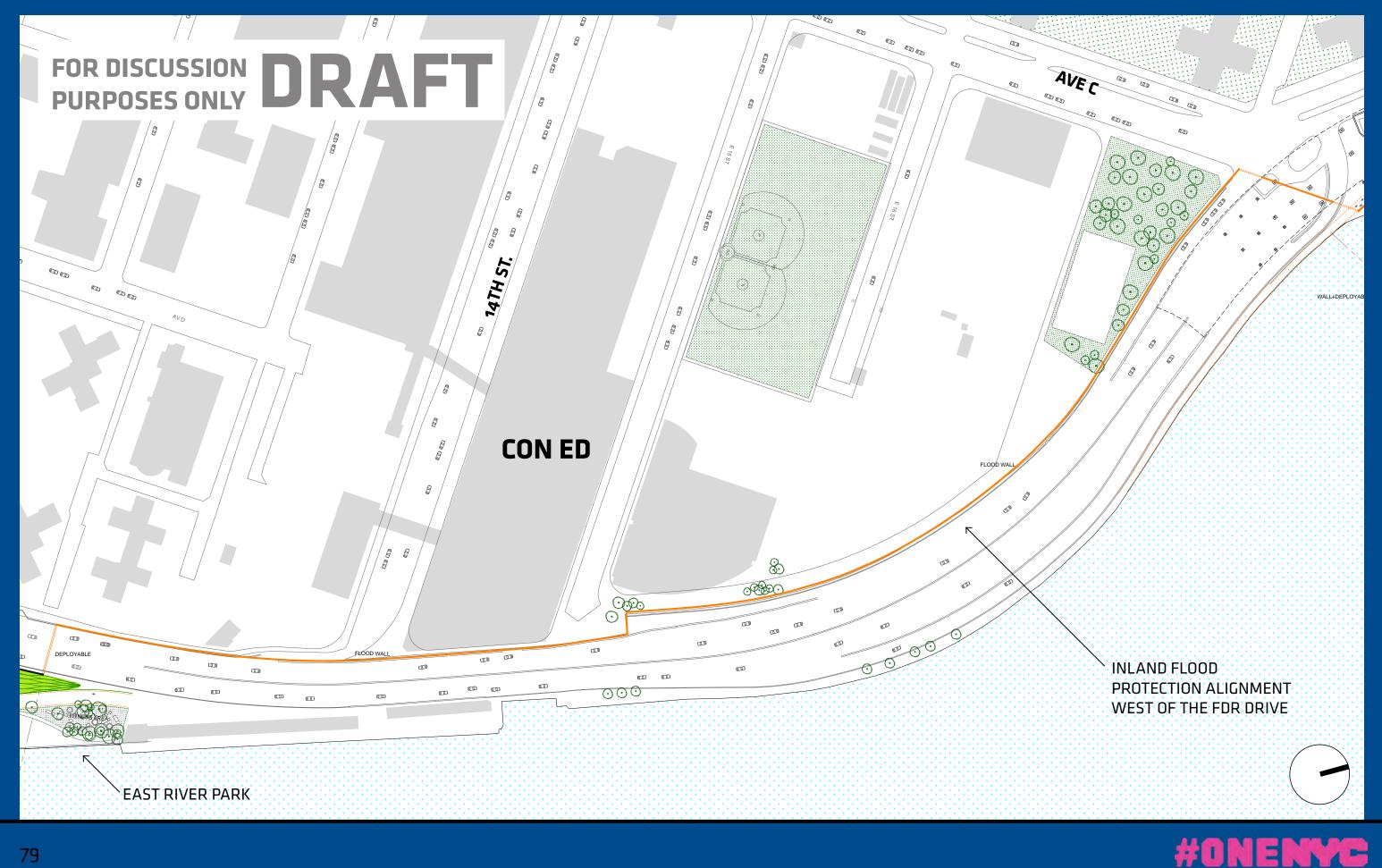
## **SEGMENTS A+B - ALIGNMENT STUDY**

After much investigation, sub-surface constraints have presented a number of technical and cost constraints to an alignment along the Capt. Patrick J. Brown Walk.



## **SEGMENTS A+B - INLAND ALIGNMENT**

As a result, the selected alignment for this area has been identified inland - and is being studied in parallel with waterfront improvements to the North-South bikeway.



### **STUYVESANT COVE PARK** Existing Conditions - 2050s 100-year floodplain





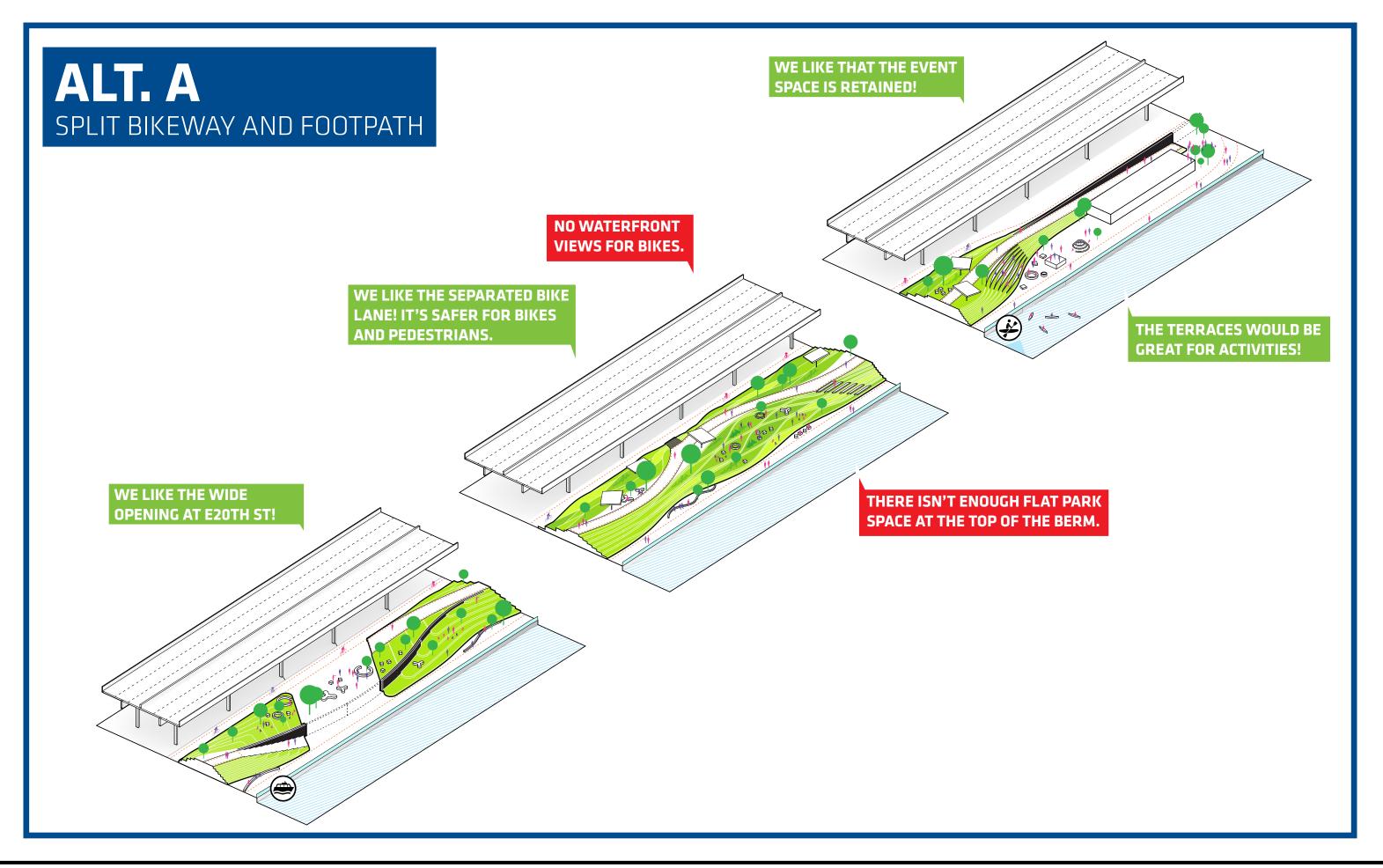
The ESCR team gathered feedback about three design alternatives for Stuyvesant Cove Park during the community engagement workshop on 07/28.





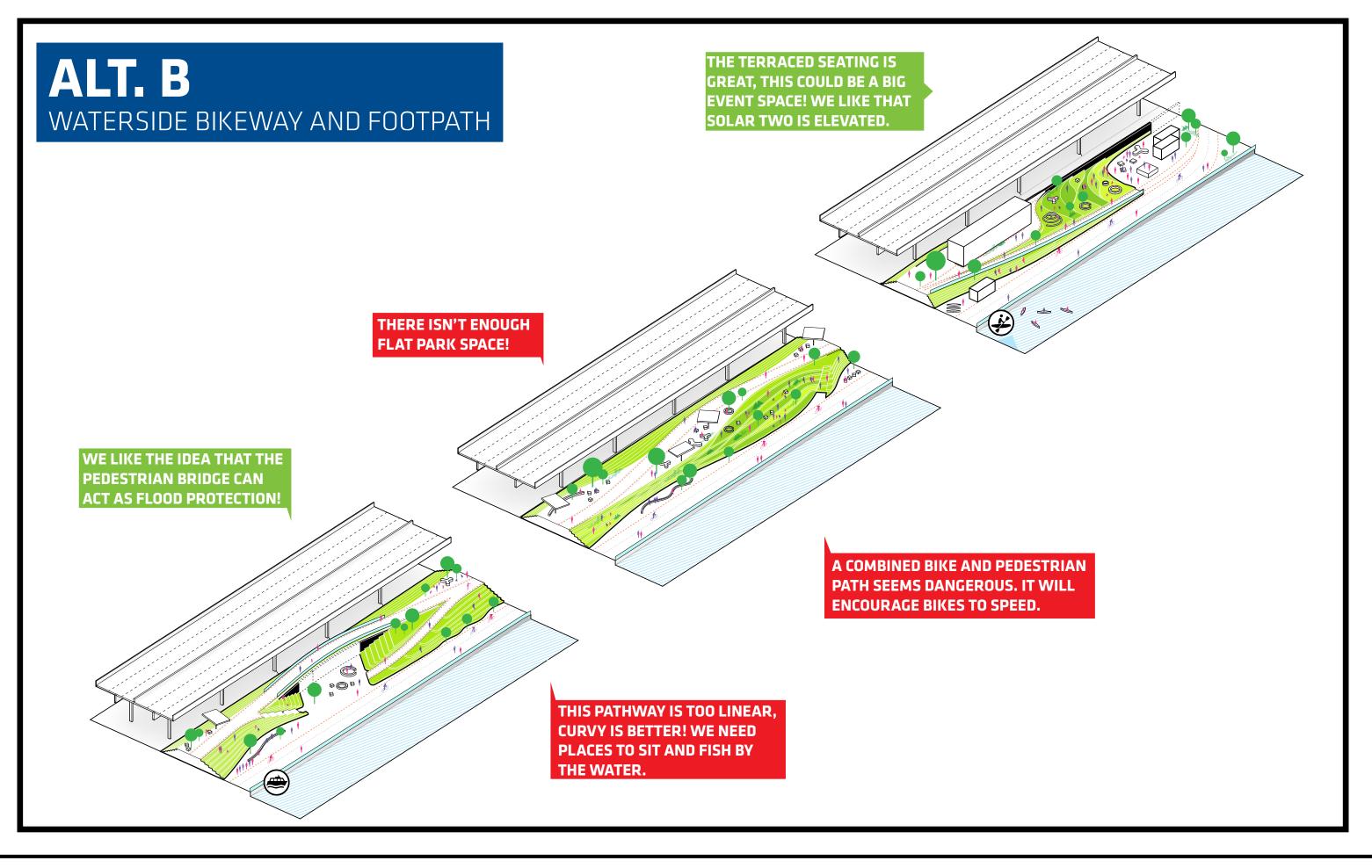
**PROJECT AREA TWO ROUND 3 COMMUNITY ENGAGEMENT** FINDINGS

Community feedback on Stuyvesant Cove Park



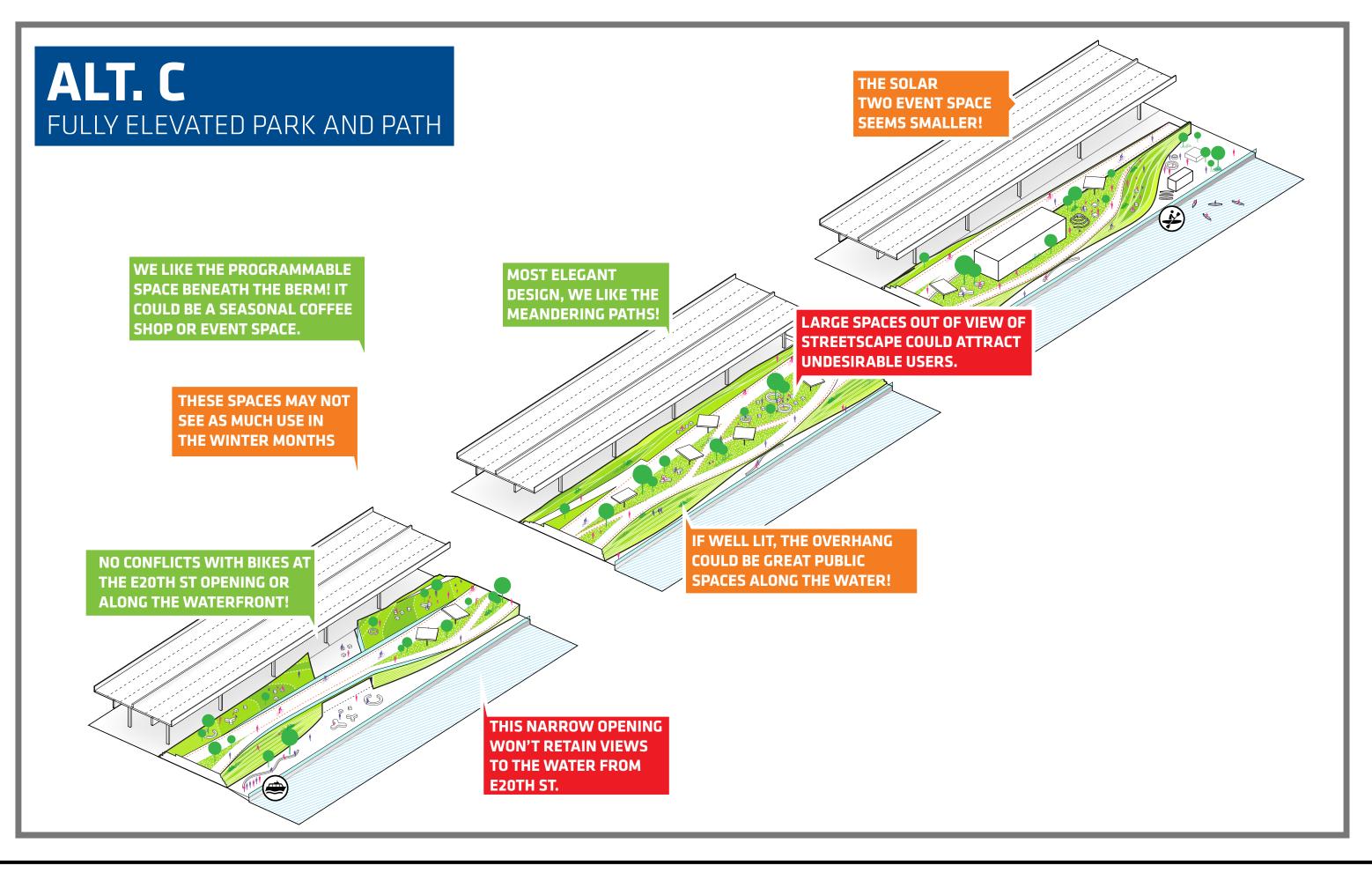


Community feedback on Stuyvesant Cove Park





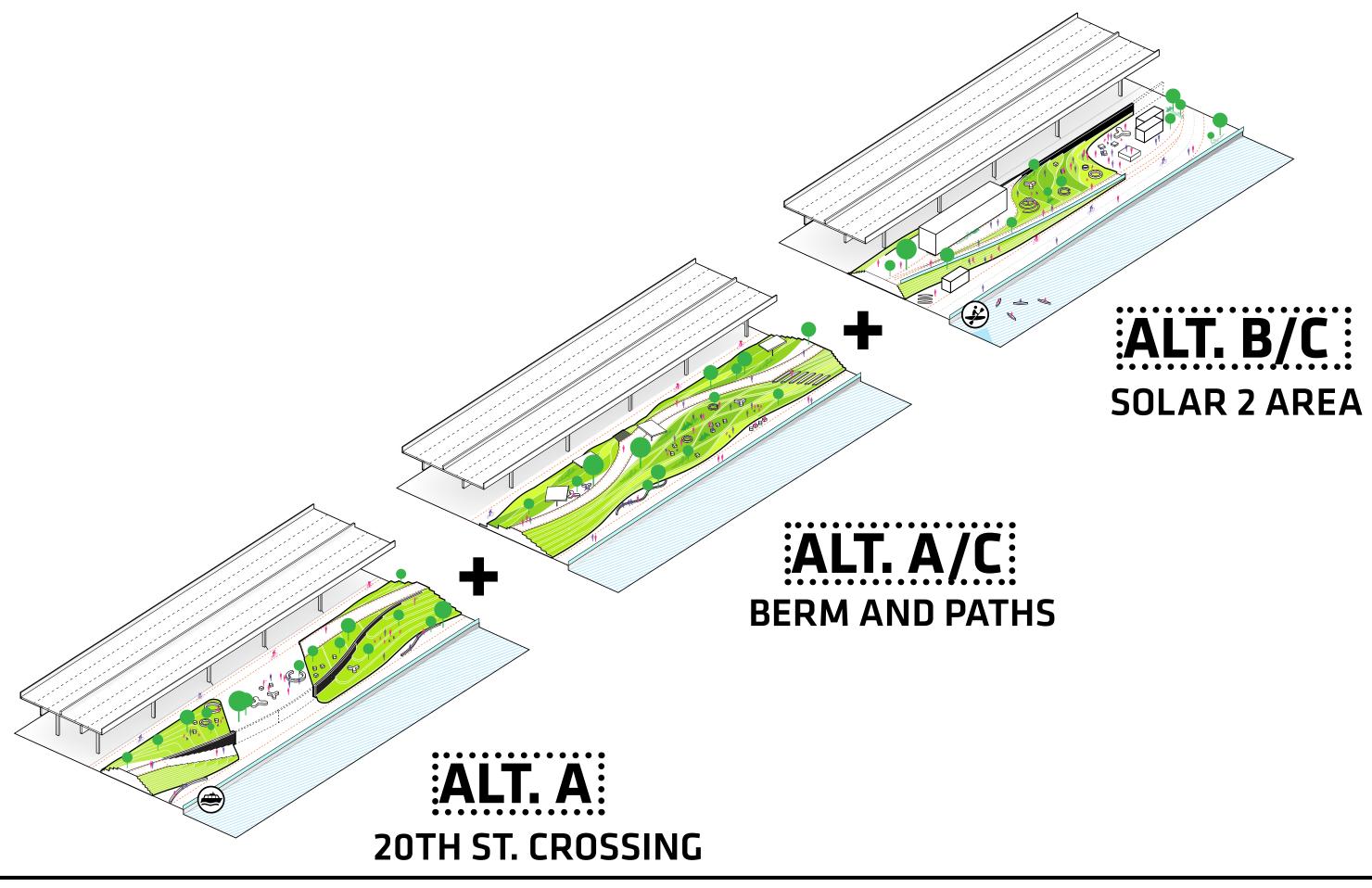
Community feedback on Stuyvesant Cove Park





## MIX-AND-MATCH

Initial Design Direction - Stuyvesant Cove Park

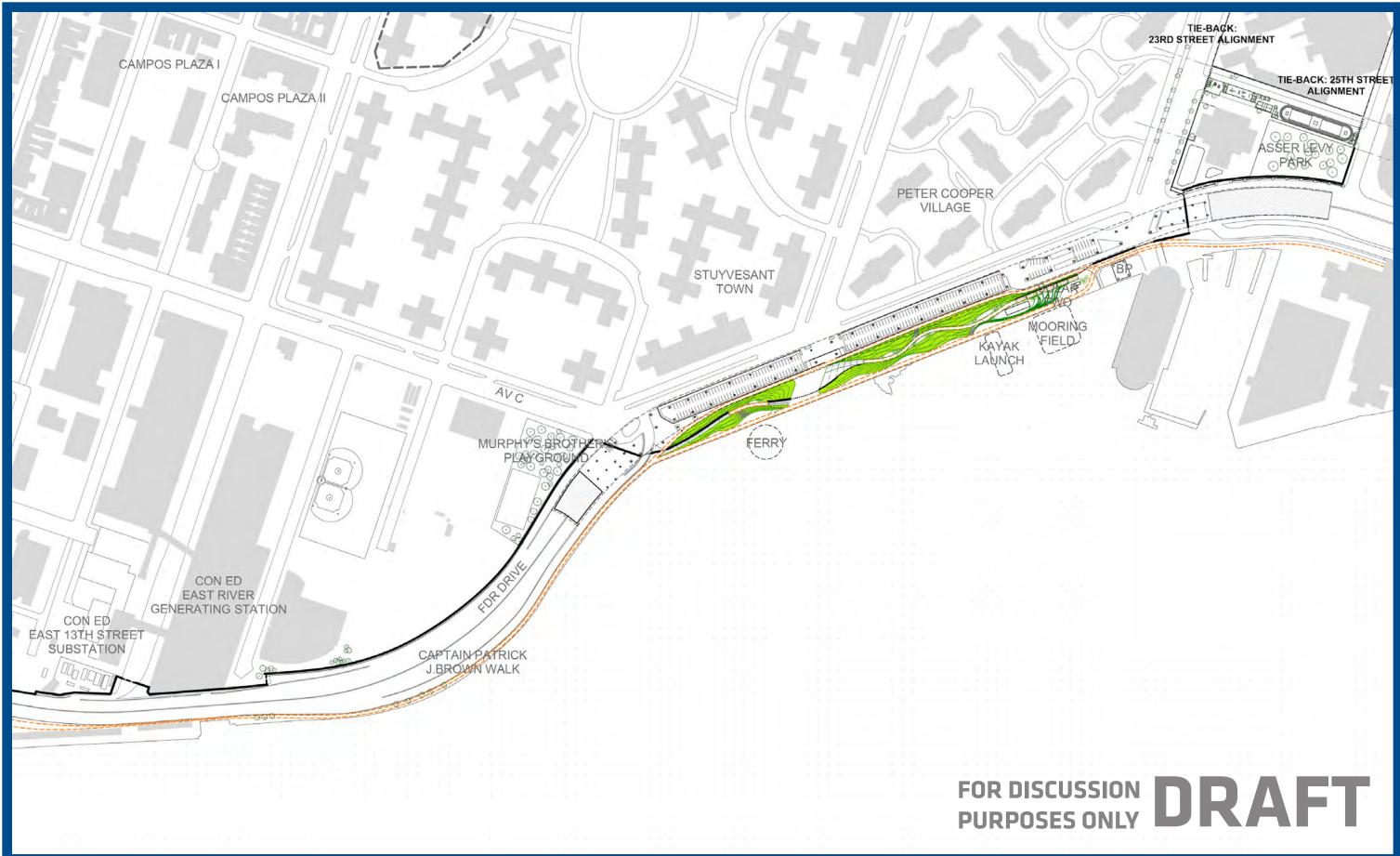


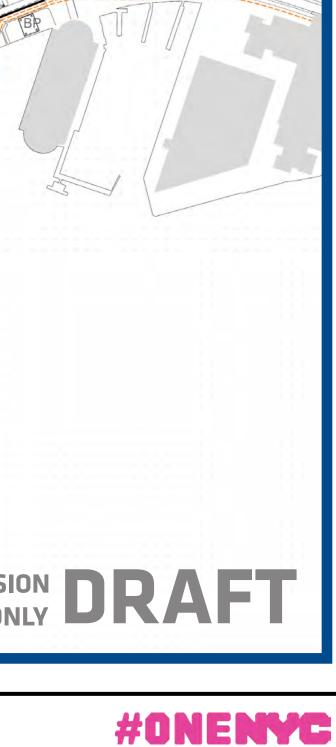


**SYNTHESIZING COMMUNITY INPUT INITIAL DESIGN DIRECTION** 

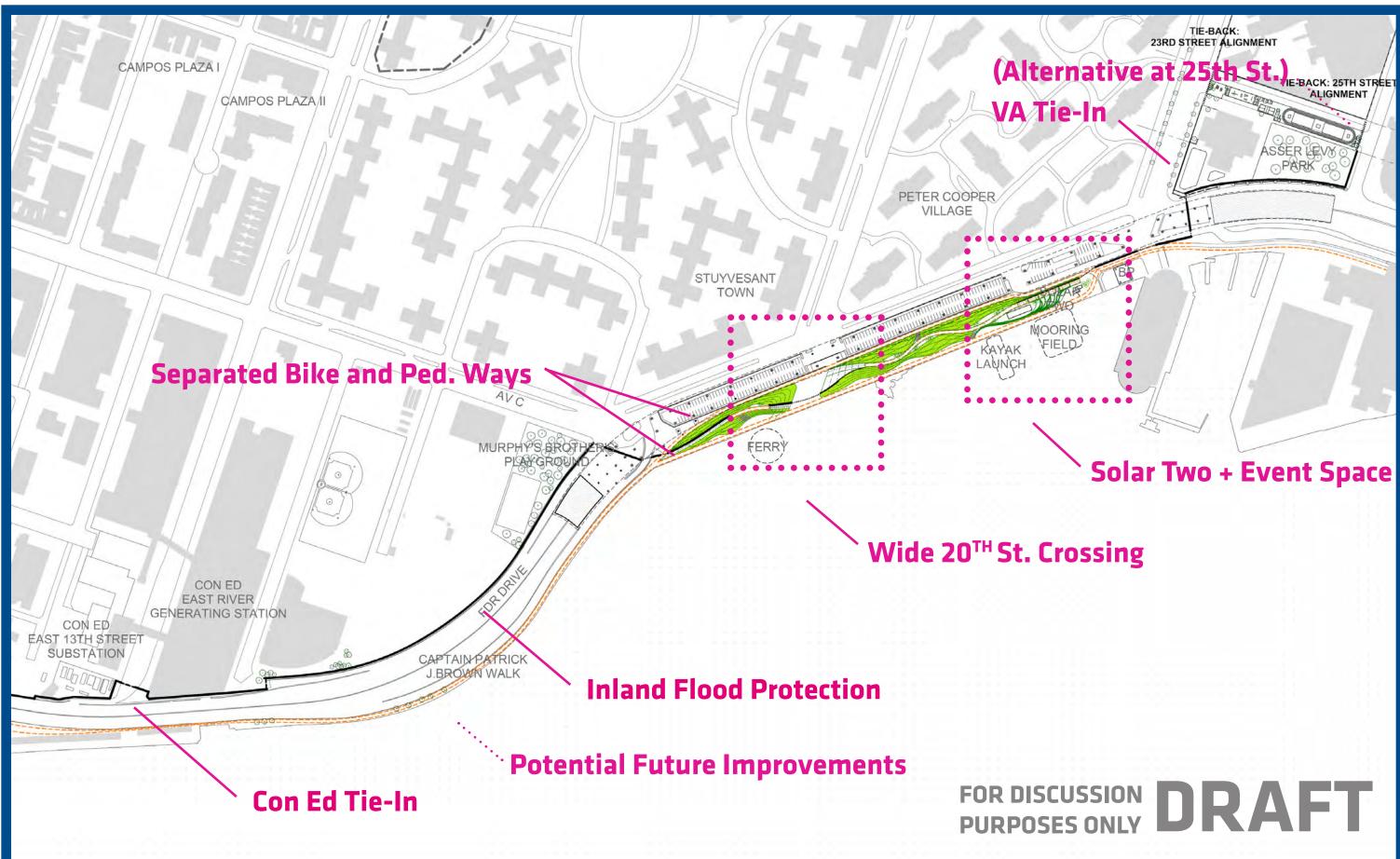


#### Project Area Two





#### Project Area Two



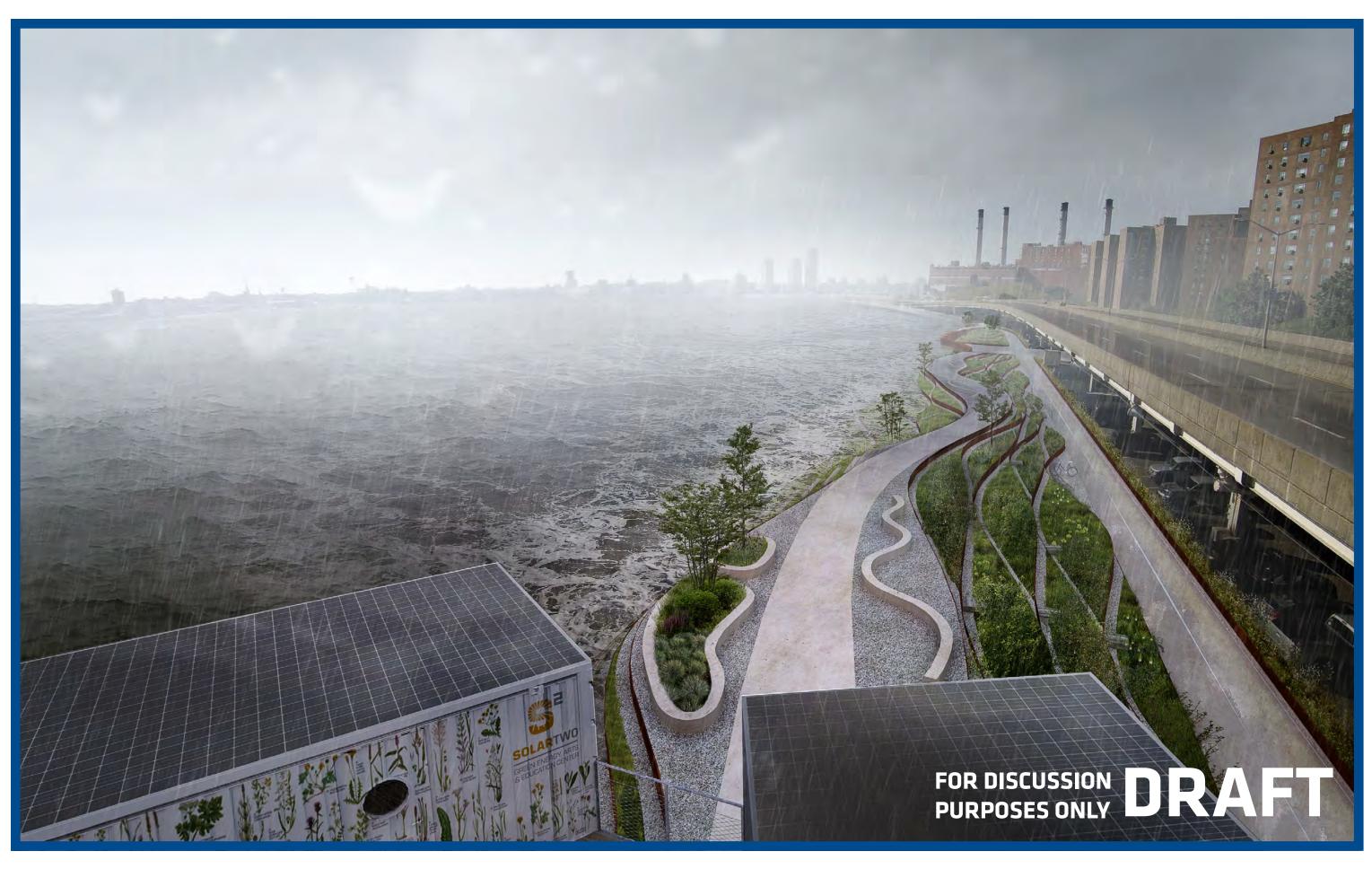


Protective Berm at Stuyvesant Cove Park



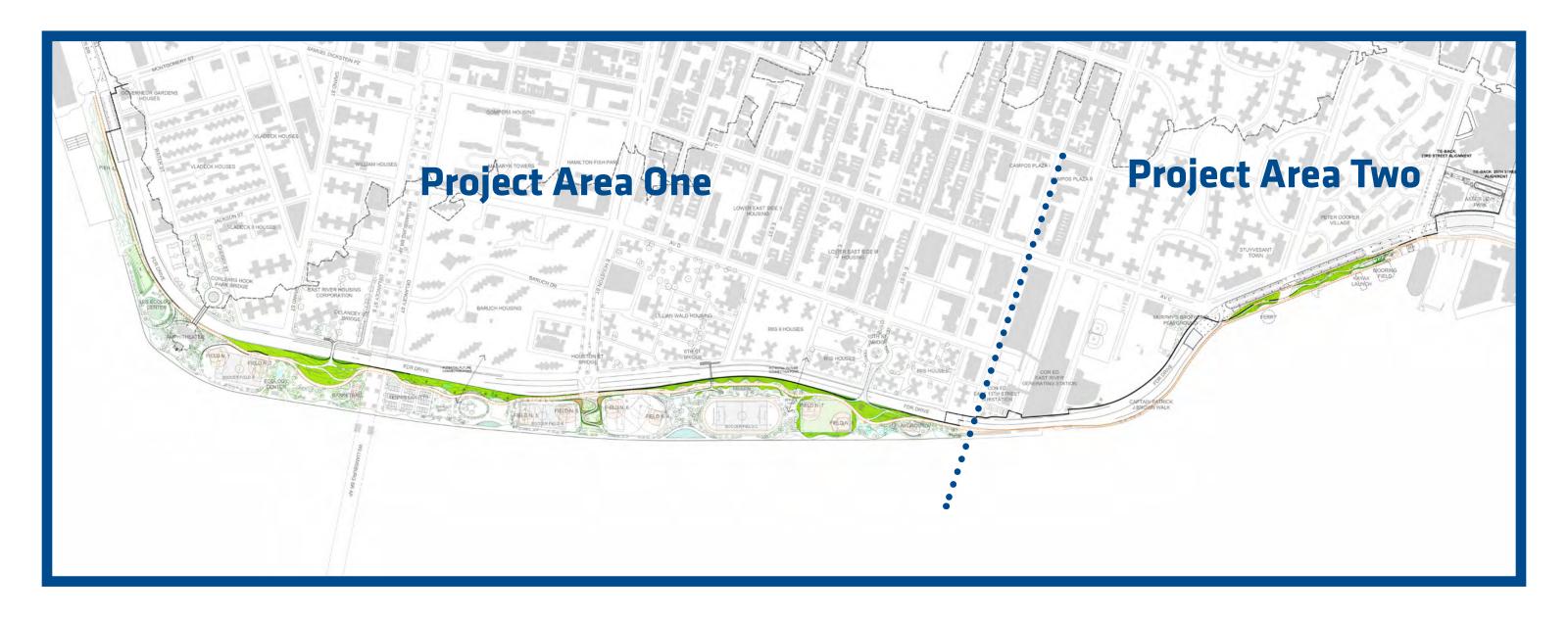


Protective Berm at Stuyvesant Cove Park





Project Areas One + Two





Project Areas One + Two



### **TONIGHT: INTERACTIVE Q+A**

After the presentation, the team will be available to take questions and comments on initial design direction elements.



## **OUTSTANDING ISSUES**

Project Areas One + Two

### Initial Design Direction represents preliminary project elements, types, and locations.

Outstanding issues, to be further developed in the next phase of design, include (but are not limited to):

-Detailed Bridge/Landing Design -Detailed Landscape Design -Drainage -Tie-Back Areas -Maintenance and Operation Entities

These, as well as many other more fine-grained issues, will be developed in close consultation with relevant community and city stakeholders over the coming two years.



## **NEXT STEPS**

### **NEXT STEPS**

THE NEXT COMMUNITY ENGAGEMENT MEET-ING WILL BE HELD ON:

#### OCTOBER 8TH FROM 6:30-8:30PM AT WASHINGTON IRVING HS 40 IRVING PLACE

THURSDAY THE 8TH'S MEETING WILL BE IDENTICAL IN FORMAT AND CONTENT TO TONIGHT'S PRESENTATION, COVERING BOTH PROJECT AREAS





### NEXT STEPS **ENVIRONMENTAL REVIEW AND ULURP PROCESSES**

#### **ENVIRONMENTAL IMPACT STATEMENT:**

EVALUATES THE OPERATIONAL AND CONSTRUCTION ELEMENTS OF THE PROJECT

### **KEY TECHNICAL AREAS FOR EIS ANALYSIS:**

-CONSTRUCTION PERIOD -INFRASTRUCTURE SYSTEMS -SEQUENCING -IMPACTS ON PARKLAND AND NEIGHBORHOOD -URBAN DESIGN AND VISUAL RESOURCES -NATURAL RESOURCES -HISTORIC AND ARCHAEOLOGICAL RESOURCES -HAZARDOUS MATERIALS



### **NEXT STEPS** ENVIRONMENTAL REVIEW AND ULURP PROCESSES

### **ENVIRONMENTAL REVIEW MILESTONES:**

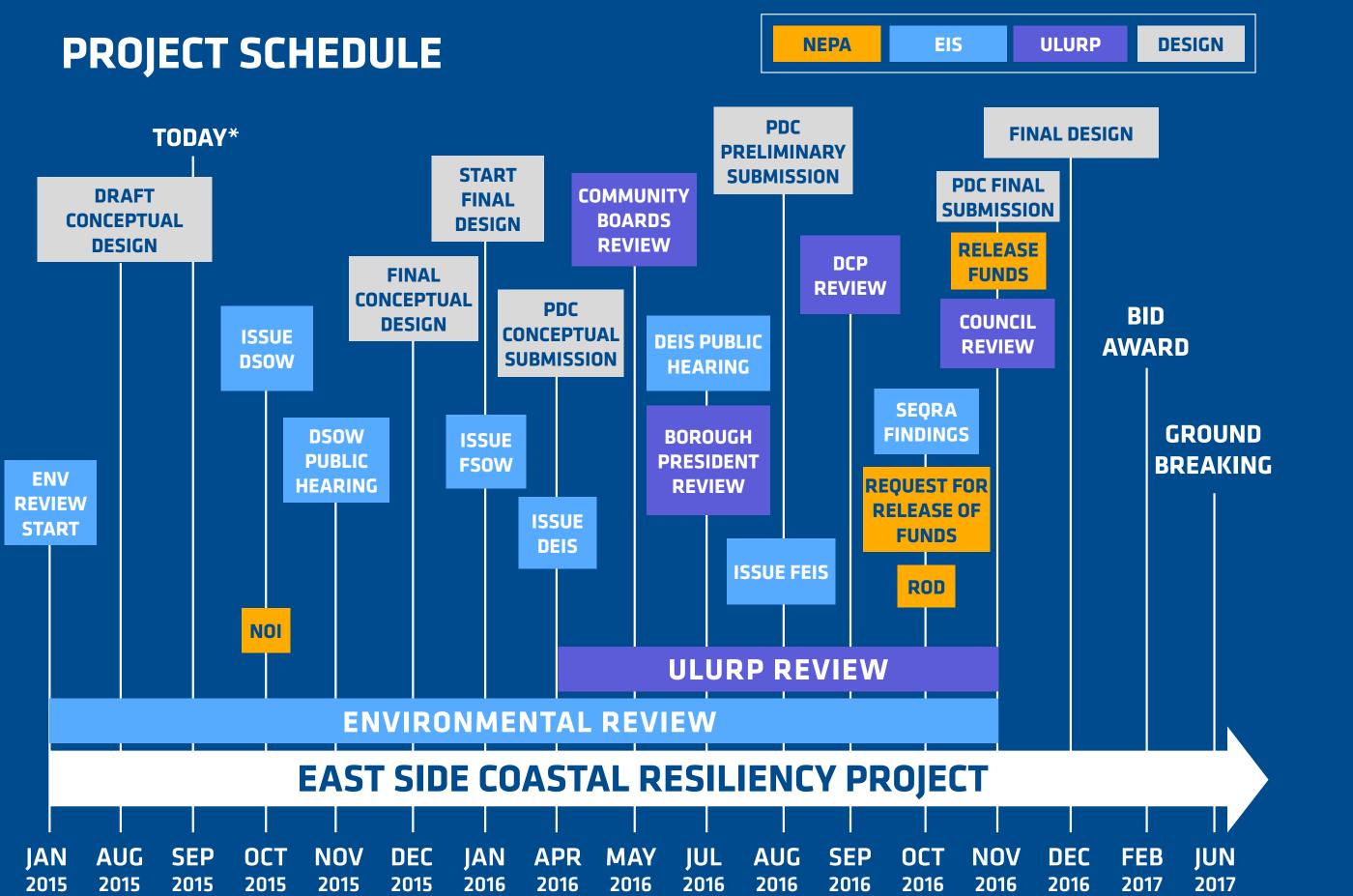
SEPT. 2015	PUBLIC SCOPING OUTREACH PREPARATION
OCTOBER	RELEASE DRAFT SCOPE OF WORK TO PREPAR
NOVEMBER	HOLD PUBLIC SCOPING MEETING
DECEMBER	CLOSE OF COMMENT PERIOD
JANUARY 2016	COMPLETE FINAL E.I.S SCOPING
MARCH	FINALIZE PREPARATION OF D.E.I.S

#### RE D.E.I.S.



### **NEXT STEPS PROJECT REVIEW AND DESIGN**

### **PROJECT SCHEDULE**



#### #ONENYC

## **Questions/Discussion**

WHAT WILL THIS COST?

**IS THIS DESIGN FINAL?** 

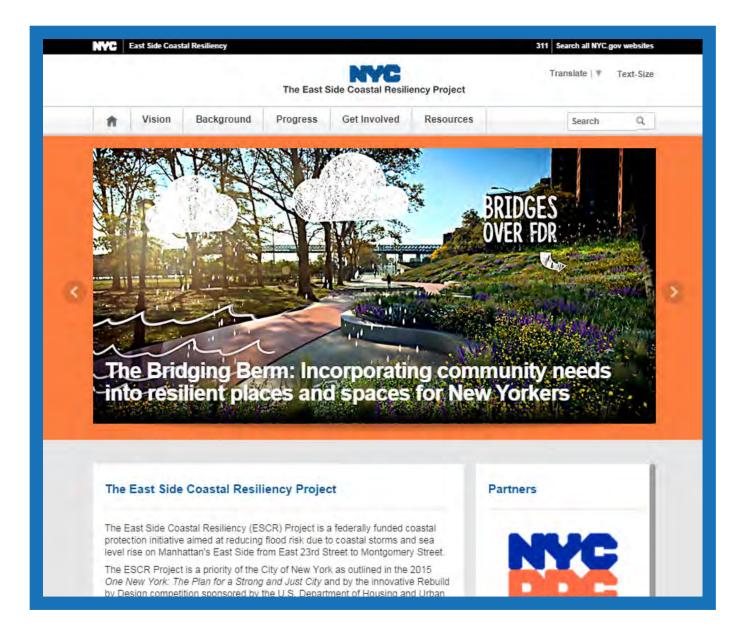
HOW WILL THE COMMUNITY CONTINUE TO STAY INVOLVED?

HOW WILL PARK USE BE IMPACTED WHILE CONSTRUCTION IS TAKING **PLACE?** 

**IS THERE A PROJECT WEBSITE?** 







# **Visit Us! www.nyc.gov/escr** New Project Website

## E: nycresiliency@cityhall.nyc.gov Twitter: @NYClimate

